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1915 CATALOG

WILLIAMS SEED CO.
NORFOLK, VA.
TRADE MARK

SEEDS
BULBS
AND
PLANTS

INCUBATORS
AND
POULTRY
SUPPLIES

FERTILIZERS
INSECTICIDES

WARRANTIES

We take every possible precaution that suggests itself to us, to insure all our stocks being of good germinating power, and of strong vitality, full and thorough tests being made of each and every variety which we offer for sale, and any stocks which do not prove entirely satisfactory in these tests being thrown; yet, when so many conditions, both of weather and manner of planting, over none of which have we any control, enter into consideration, it is manifestly impossible for us to guarantee a satisfactory germination under any and all conditions. Consequently—

WILLIAMS SEED COMPANY give no warranty, express or implied, as to description, quality, productiveness, or any other matter, of any seeds, bulbs, or plants they send out, and will not be in any way responsible for the crop. If the goods are not accepted on these terms and conditions, they may be returned, and any money which has been paid for the same will be refunded.

PLANTING, MATURITY, AND WEIGHT TABLE

This is for field planting, and where plants and roots are stated, it is necessary to have them ready beforehand. The third column indicates the distance that the plants should stand in the rows, and where seed is sown they should be thinned out to this distance. The fifth column indicates maturity from the time plants are planted in the field, or seed is sown in the field. Also note that the last column is the approximate weight of seeds and not products. Time of planting and maturity is for latitude of Norfolk.

*Indicates that the crop can either be planted in the spring or fall; if in the spring, February or April; in the fall, August and September.

	Time to Sow or Plant	Distance of Rows Apart	Distance of Plants in Rows	Quantity Per Acre	Ready to Use	Approximate Weight of Seeds per bu. in lbs.
ARTICHOKE—Tubers	Mar. to Apr.	2½ ft.	2 ft.	6 to 8 bu.	Sept. to Oct.	50
ASPARAGUS—Seeds	Mar. to Apr.	15 in.	4 to 6 in.	8 to 10 lbs.	3 years	60
ASPARAGUS—Roots	Feb. to Mar.	6 to 8 ft.	12 to 18 in.	4,000 to 7,000	2 years	.....
BEANS—Dwarf	Mar. 15 to Aug.	2½ ft.	3 to 6 in.	1½ bu.	8 weeks	60
BEANS—Lima	May to July	2½ ft.	6 in.	¾ to 1 bu.	10 weeks	60
BEANS—Soja	May to June	Broadcast	Broadcast	1 to 1½ bu.	Fall and winter	60
BEANS—Pole	May to June	4 ft.	3 ft.	½ to ¾ bu.	10 weeks	60
BEETS—Table	Feb. to Aug.	12 to 18 in.	4 in.	5 to 6 lbs.	1½ to 3 mo.	19½
BEETS—Sugar	Apr. to June	2½ to 3 ft.	6 to 8 in.	5 to 6 lbs.	Fall and winter	19½
BUCKWHEAT	June to Aug.	Broadcast	Broadcast	¾ to 1 bu.	Fall	48
CABBAGE—Plants (early)	Mar. Apr. Nov.	3 ft.	15 to 20 in.	10,000 to 14,000	June and July	54
CABBAGE—Plants (late)	July to Aug.	3 ft.	2 ft.	7,260	Fall and winter	54
CARROT	Apr. to Aug.	1 to 2 ft.	3 to 4 in.	3 to 4 lbs.	45 to 70 days	28
CAULIFLOWER—Plants	Mar. to Apr.	2½ ft.	2 ft.	8,000 to 10,000	3 months	54
CELERY—Plants	June to Aug.	3 to 4 ft.	6 to 9 in.	15,000 to 30,000	4 to 5 mo.	37
CLOVER—Red and Sapling	*Feb. to Sept.	Broadcast	Broadcast	8 to 10 lbs.	Next year	60
CLOVER—Alsike	*Feb. to Sept.	Broadcast	Broadcast	5 to 8 lbs.	Next year	60
ALFALFA	*Mar. to Sept.	Broadcast	Broadcast	20 lbs.	Next year	60
CLOVER—Crimson	July to Sept.	Broadcast	Broadcast	12 to 15 lbs.	May 1	60
CORN—Garden	Apr. to July	3 to 3½ ft.	9 to 15 in.	4 to 6 qts.	2 to 3 mo.	44 to 56
CORN—Field (drills)	Apr. to July	3½ to 4 ft.	10 to 18 in.	6 to 8 qts.	3 to 4 mo.	56
CORN—Field (checked)	Apr. to July	3½ to 4 ft.	3½ to 4 ft.	4 qts.	3 to 4 mo.	56
CUCUMBER	Apr. to July	4 to 5 ft.	3 ft.	3 to 4 lbs.	2 to 2½ mo.	39
EGG PLANT—(Plants)	May to June	4½ ft.	3 ft.	5,000 to 6,000	60 days	39
ENDIVE	Mar. & Aug.	18 in.	12 in.	4 to 5 lbs.	2 to 2½ mo.	26
GRASS SEEDS—(Light)	*Feb. to Oct.	Broadcast	Broadcast	1½ to 2 bu.	Next year	14
GRASS SEEDS—(Lawn)	*Feb. to Oct.	Broadcast	Broadcast	80 to 100 lbs.	8 to 10 weeks	20
HORSERADISH—(Roots)	Feb. to Mar.	2½ ft.	12 to 18 in.	12,000 to 15,000	6 to 8 mo.	.....
KALE—Spring	*Feb. to Sept.	Broadcast	Broadcast	6 to 8 lbs.	5 to 6 weeks	56
KALE—Winter	July to Sept.	2 to 3 ft.	6 to 8 in.	3 to 4 lbs.	Fall to spring	54
KOHL RABI	Mar. to Apr.	1½ to 2 ft.	10 to 12 in.	3 to 4 lbs.	2½ to 3 mo.	56
LETTUCE	*Mar. to Oct.	12 to 15 in.	6 to 8 in.	5 to 6 lbs.	1½ to 2 mo.	35
MELON—Musk	May to July	4 to 6 ft.	4 to 6 ft.	2 lbs.	2½ to 3 mo.	32
MELON—Water	May to June	8 to 10 ft	8 to 10 ft.	3 lbs.	3 months	35
MILLET—German	May to July	Broadcast	Broadcast	1 bu.	6 to 7 weeks	50
MUSTARD	*Mar. to Sept.	Broadcast	Broadcast	4 to 5 lbs.	6 to 8 weeks	56
OATS—Spring	Mar. to Apr.	Broadcast	Broadcast	1½ to 2 bu.	July 1	32
OATS—Winter	*Feb. to Sept.	Broadcast	Broadcast	1½ to 2 bu.	June 20 to July 10	32
OKRA	Apr. to May	2½ to 3 ft.	8 to 10 in.	8 to 10 lbs.	60 to 70 days	48
ONIONS—For large bulbs	Mar. to Apr.	12 to 14 in.	.....	4 to 5 lbs.	Next year.	39
ONIONS—For sets	Mar. to Apr.	10 to 12 in.	.....	40 to 50 lbs.	July	39
ONION SETS	Feb. Mar. Apr.	12 in.	4 in.	4 to 10 bu.	June	32
PARSLEY	Mar. to Sept.	12 in.	.....	15 lbs.	July	42
PARSNIP	Mar. to Apr.	18 in.	4 to 6 in.	5 to 7 lbs.	Fall and winter	18
PEAS—Smooth	Feb. to May	2½ to 3 ft.	.....	1½ to 2 bu.	7 weeks	60
PEAS—Wrinkled	Mar. to May	2½ to 3 ft.	.....	1½ to 2 bu.	7 to 9 weeks	56
PEAS—Canada Field	Feb. to Apr.	Broadcast	Broadcast	1½ bu.	June 15	60
PEAS—Cow	May to Aug.	Broadcast	Broadcast	1½ bu.	3 months	60
PEPPER—Plants	May & June	30 in.	15 to 18 in.	11,000 to 14,000	2 to 2½ mo.	28
POTATOES—(Early)	Feb. to July	2½ to 3 ft.	10 to 12 in.	8 to 12 bu.	June to July	60
POTATOES—(Late)	July to Aug.	30 in.	15 to 18 in.	8 to 10 bu.	Oct. to Nov.	60
SWEET POTATO—Plants	May 15	3 ft.	20 to 24 in.	7,000 to 8,000	Sept. to winter	45
PUMPKIN	May	8 to 10 ft.	8 to 10 ft.	2 lbs.	Fall	24
RADISH	Feb. to Aug.	Broadcast	Broadcast	25 to 30 lbs.	24 to 40 days	56
RAPE	*Feb to Sept.	Broadcast	Broadcast	6 to 8 lbs.	6 to 8 weeks	56
RHUBARB—Roots	Feb. to Apr.	4 ft.	2 to 3 ft.	5,000 to 7,000	Next year	.....
RYE	Aug. to Nov.	Broadcast	Broadcast	1 to 2 bu.	April 20	56
SALSIFY	Mar. to May	1½ to 2 ft.	3 to 4 in.	6 to 8 lbs.	Fall and winter	18
SPINACH—Early	Aug. 15-Dec. 1	9 to 12 in.	3 to 4 in.	25 to 30 lbs.	8 weeks	48
SQUASH—Spring	May	4 ft.	3 ft.	3 lbs.	July	26
TEOSINTE	May to June	3 to 3½ ft.	8 to 10 in.	3 to 5 lbs.	Aug. to Oct.	46
TOMATO—Plants	May to July	4 ft.	3 to 4 ft.	2,700 to 3,600	July until frost	20
TURNIP	*Feb. to Sept.	Broadcast	Broadcast	1½ to 2 lbs.	1½ to 2 mo.	56
VETCH	Aug. to Oct.	Broadcast	Broadcast	50 lbs.	May	50
WHEAT	Sept. to Oct.	Broadcast	Broadcast	1 to 1½ bu.	June 20	60

The William Byrd Press, Inc., Printers, Richmond, Va.

SEVENTH ANNUAL CATALOG

1915

WILLIAMS SEED CO.

69-71 COMMERCIAL PLACE
NORFOLK, VA.

Vegetable, Farm & Flower Seed

Incubators and Poultry Supplies

OF ALL KINDS

FARM AND GARDEN IMPLEMENTS
INSECTICIDES, BULBS, TREES, ETC.

INTRODUCTION

Norfolk, Va., January 1, 1915.

To Our Customers and Friends:

Again it is our great pleasure to greet you, through the medium of this our SEVENTH Annual Catalogue, and herein to express our most sincere thanks to all for the patronage accorded us during the past year, which has been such as to double our business over the previous year, and which will help you for the coming year by placing us in position to give you the same high-grade seeds at better prices. Our heartiest wish, to each and all of you, is that 1915 will be the most prosperous and the happiest year you have ever had.

Please look over this Catalogue carefully. We have endeavored to make the whole book a plain straightforward statement of facts, just as we would tell you if we could set down and talk it over personally with each one of you. The descriptions of the varieties are conscientious and accurate, we having compiled them from careful actual observation of their growth and development under normal conditions of planting and cultivation, such as we would expect you to give them. We have recommended, where we could, the best varieties for certain localities and conditions. And from consultations with our customers, men who have been trucking for years, we have made up cultural directions which we believe are of practical value. We would like to know what you think of it. If it pleases you, tell us. If you have any suggestions to offer, let us have them; they are always welcome, and will receive careful attention.

Now about our seeds. We honestly believe they are as good as can be produced. If we thought there were any better to be had, we would certainly spare no expense getting them. We do not claim, though, that our seeds are better than any others you could possibly get. If we made any such claim, you would set us down as untruthful, and that is a reputation we do not want, as we are striving to build up our business on the basis of integrity, and the confidence of our patrons in us and our stocks. We exercise every possible care and precaution that we can think of, or that is suggested to us, in the selection of our stocks. Our stock seed are placed out for planting with growers whom we know to be absolutely reliable and painstaking in every detail. Our growing fields are personally carefully inspected at various times during the year, and thoroughly rogued of all off-types. Then the seed are all carefully tested when received at our warehouses, and only stocks of known high vitality and strong germinating power are offered for sale. We know they are as good as you can get anywhere.

While of course we have tried to make this Catalogue interesting, you realize as well as we do that its primary object is to get business. Look it over carefully, compare it with the others you get, and then if you believe we are going to give you a square deal, and full value for your money, send us your order. A convenient order form will be found elsewhere in the book. Your order will receive careful attention, be promptly filled with good seeds, and then if you give their growth and development even a small part of the care and attention we have given to their production, we know you will agree with us that WILLIAMS' SEEDS are all we claim for them.

Thank you for the order you are going to send us. Thank you again for your past patronage. And believe that we are going to do everything in our power to merit its continuance during the years to come.

WILLIAMS SEED COMPANY

LYONS H. WILLIAMS	CHAS. H. WILLIAMS	H. RAYMOND WELLER
President	Vice-President	Secretary-Treasurer

GENERAL INFORMATION AND TERMS OF SALE

HOW TO SEND MONEY. Money can be sent safely by Bank Check, Postoffice Order, Express Money Order, Registered Letter, or Express.

TERMS. Our terms are strictly cash with the order.

DISCOUNTS. We allow a cash discount of **5 per cent.** for vegetable seeds, where the order amounts to $5.00 or over, when money is sent with the order.

POSTAGE. See Parcels Post Table on another page.

FREIGHT. On orders to the amount of $5.00 or over, at catalog prices, where cash accompanies the order, we will deliver goods to your nearest station, charges paid. Except that we cannot pay freight on Potatoes, Onion Sets, Grass Seeds, or Field Corn.

SEEDS BY MEASURE. One-quarter bushel and over sold at bushel rates; four quarts and over up to one-quarter bushel sold at four quarts rate; less than four quarts sold at quart or pint rates.

SEEDS BY WEIGHT. We supply one-half pound and over at pound rates; less than one-half pound lots charges at ounce or one-quarter pound rates; 25 pounds and over at 100 pounds rates, when quoted.

SEEDS IN PACKAGES. We offer the following inducement to those wishing to purchase packets: Select packets to value of $1.15, and send us $1.00. For packets to value of $2.25, send us $2.00. For packets to value of $3.50, send us $3.00. For packets to value of $5.75, send us $5.00. The seeds will be sent by mail, postpaid, but these rates apply to seeds in packets only, and not to seeds by weight or measure. Where packet prices are not stated, the ounce package will apply as a packet.

Name and Address Should Always Be Given

Frequently we receive unsigned letters. Sometimes they contain money and orders. Sometimes, too, letters are received in which the name of the town is left out and the postmark is blurred. We cannot fill order unless we know the name and address of the buyer. The easiest way for you is to use our order sheet filling in the blanks.

ERRORS. Our firm with its money invested, its success and and reputation at stake, could not permit an error to stand uncorrected. We exercise the greatest care to prevent errors, but human hands and minds must be depended upon which are not infallible, and mails will miscarry, but please remember this, that the complete satisfaction of our customers is our first wish, and if an error is made we are more anxious to correct it than you could be to have us do so, and an opportunity to make restitution is always sincerely appreciated.

It is always very gratifying to us to get a word of praise relative to our Seeds. If you are pleased with them and the handling of your orders, tell us so; if not, tell us anyway, it will be a great help to us.

We charge all cotton bags at cost, and will cheerfully refund the price paid for bags returned to us in good condition within a reasonable length of time.

The location of Norfolk, its numerous railroad and steamship lines, render it possible for us to make prompt shipments to any part of the country.

All Prices Subject to Change Without Notice

Prices on Field Seeds, Onion Sets and Potatoes are constantly fluctuating. The prices given in this Catalogue are those ruling January 10, 1915. But they are not binding and may change at any time. We will cheerfully quote prices at any time on request, and we will always fill open orders entrusted to us at the lowest prices possible for the best quality seeds. It frequently occurs that the prices of articles may have changed between the time our catalogue is printed and receipt of orders. When such is the case on paid orders, if the article ordered is cheaper, we will send the value of such articles at the ruling prices. If the articles are higher we will deduct the quantity to meet the amount of remittances. We do this to save the delay of correspondence. But in case you wish to limit your price, please so state on your orders.

If you are satisfied with us, with our goods, and the treatment you receive at our hands, do us the favor of mentioning it to some of your friends. If we can please you, we can please others, and they can all be assured of fair and courteous treatment with us.

WILLIAMS SEED COMPANY,
69-71 Commercial Place,
Norfolk, Va.

OUR "F. F. V." GARDEN SELECTION

1 Pint	Burpee's Stringless Green Pod Beans	$ .30
1 Pint	Bush Butter Beans	.15
1 Pint	Leviathan Pole Lima Beans	.15
1 Ounce	Detroit Dark Red or Eclipse Beet	.10
1 Packet	Large, or Charleston Wakefield, Cabbage	.05
1 Packet	Chantenay Carrot	.05
1 Pint	Country Gentleman, or Norfolk Market Corn	.15
1 Packet	Success Cucumber	.05
1 Packet	May King, or Salamander, Lettuce	.05
1 Packet	New Rival, or Osage, Muskmelon	.05
1 Packet	Kleckley Sweet, or Florida Favorite, Melon	.05
1 Pint	Yellow Danvers, or Silverskin, Onion Sets	.10
1 Packet	Double Curled Parsley	.05
1 Quart	Gradus Peas	.30
1 Quart	Telephone Peas	.30
1 Packet	Neapolitan Early Pepper	.05
½ Peck	Early Rose, or Irish Cobbler, Potatoes	.30
1 Ounce	Forcing Scarlet Globe, or White Tip, Radish	.10
1 Packet	White Strasburg Radish	.05
1 Packet	White Bush Squash	.05
1 Packet	Ponderosa Tomato	.05
	Total	$2.50

Pin a $2.00 bill to the order sheet, say "Send me your 'F. F. V.' Selection," and the above assortment of high-grade seeds will be forwarded you, all charges prepaid, and we will include, FREE OF CHARGE, 25 cents worth of FLOWER SEEDS, of your selection. Just mention what kinds you prefer.

OUR "TIDEWATER" GARDEN SELECTION

1 Pint	Burpee's Stringless Green Pod Beans	$ .30
1 Pint	Bush Butter, or Pole Lima Beans	.15
1 Packet	Detroit Dark Red Beets	.05
1 Pint	Country Gentleman, or Norfolk Market, Corn	.15
1 Packet	Success Cucumber	.05
1 Packet	May King, or Big Boston Lettuce	.05
1 Packet	New Rival Muskmelon	.05
1 Packet	Kleckley Sweet Watermelon	.05
1 Packet	Double Curled Parsley	.05
1 Pint	Silverskin Onion Sets	.10
1 Pint	Gradus Peas	.15
1 Packet	Neapolitan Early Pepper	.05
1 Packet	Forcing Scarlet Globe Radish	.05
1 Packet	White Bush Squash	.05
1 Packet	Ponderosa Tomato	.05
	Total	$1.25

Pin a $1.00 bill to the order sheet, say "Send me your 'Tidewater' Selection," and this assortment of fine seed will be forwarded you, all charges prepaid, and we will include, FREE OF CHARGE, 25 cents worth of FLOWER SEEDS, of your own selection. Just mention on the order sheet what sorts you want.

OUR "AMATEUR" GARDEN SELECTION.

1 Pint	Red Valentine Beans	$ .10
1 Packet	Detroit Dark Red Beets	.05
1 Packet	Success Cucumber	.05
1 Packet	May King Lettuce	.05
1 Packet	Double Curled Parsley	.05
1 Packet	White Tipped Radish	.05
1 Packet	Ponderosa Tomato	.05
1 Packet	Neapolitan Early Pepper	.05
1 Pint	Silverskin Onion Sets	.10
	Total	$ .60

Send us 50 cents in stamps, say "Send me the 'Amateur' Selection," and the above assortment of fine seeds will be forwarded you, all charges prepaid, and we will include, FREE OF CHARGE, 25 cents worth of FLOWER SEEDS, of your own selection. Just mention your preference.

In any of the above offers, substitutions may be made where you would prefer to have some other sorts of seeds, of equal value, at prices as given in the Catalogue. We reserve the right, wherever we should not be able to fill the order with the variety specified, to substitute another variety, which, in our opinion, will be equally as good.

PARCELS POST RATES

Applicable to All Goods Except Liquids Listed in Our Catalogue.

Your Postmaster will tell you the Parcels Post Zone in which your Post Office is located, measuring from Norfolk.

All Seeds and Plants shipped by mail take Parcels Post rates. Packages up to 8 ounces in weight are carried at the rate of one cent for every two ounces, regardless of distance. Packages over 8 ounces are charged by the pound. The rate per pound varies according to the distance, which is measured by the Government Zone System, each zone covering a certain number of miles from point of shipment. Distances and rates are shown in the table below. Packets by Parcel Post are handled like any other mail matter. They are delivered to your box by Rural mail carrier, if you live on a rural route, or delivered to your door if you live in a city where there is carrier service, or delivered to your local postoffice, if you live where there is no carrier service.

In most instances, Parcels Post shipments are more desirable, even if the cost is slightly higher than Express shipments, because the package is usually delivered to your box; whereas it is sometimes necessary to drive several miles to town to get an Express package.

This table shows amount of postage by parcel post according to the weight of package and the distance by zones.	LOCAL ZONE	ZONES 1 & 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
WEIGHT OF PACKAGE	For shipment to customers in Norfolk.	Not over 150 miles from Norfolk.	151 to 300 miles from Norfolk.	301 to 600 miles from Norfolk.	601 to 1000 miles from Norfolk.	1001 to 1400 miles from Norfolk.	1401 to 1800 miles from Norfolk.	Over 1800 miles from Norfolk.
Over 1 oz. up to 1 lb.	5c	5c	6c	7c	$0.08	$0.09	$0.11	$0.12
Over 1 lb. up to 2 lbs.	6c	6c	8c	11c	.14	.17	.21	.24
Over 2 lbs. up to 3 lbs.	6c	7c	10c	15c	.20	.25	.31	.36
Over 3 lbs. up to 4 lbs.	7c	8c	12c	19c	.26	.33	.41	.48
Over 4 lbs. up to 5 lbs.	7c	9c	14c	23c	.32	.41	.51	.60
Over 5 lbs. up to 6 lbs.	8c	10c	16c	27c	.38	.49	.61	.72
Over 6 lbs. up to 7 lbs.	8c	11c	18c	31c	.44	.57	.71	.84
Over 7 lbs. up to 8 lbs.	9c	12c	20c	35c	.50	.65	.81	.96
Over 8 lbs. up to 9 lbs.	9c	13c	22c	39c	.56	.73	.91	1.08
Over 9 lbs. up to 10 lbs.	10c	14c	24c	43c	.62	.81	1.01	1.20
Over 10 lbs. up to 11 lbs.	10c	15c	26c	47c	.68	.89	1.11	1.32
Over 11 lbs. up to 12 lbs.	11c	16c	28c	51c	.74	.97	1.21	1.44
Over 12 lbs. up to 13 lbs.	11c	17c	30c	55c	.80	1.05	1.31	1.56
Over 13 lbs. up to 14 lbs.	12c	18c	32c	59c	.86	1.13	1.41	1.68
Over 14 lbs. up to 15 lbs.	12c	19c	34c	63c	.92	1.21	1.51	1.80
Over 15 lbs. up to 16 lbs.	13c	20c	36c	67c	.98	1.29	1.61	1.92
Over 16 lbs. up to 17 lbs.	13c	21c	38c	71c	1.04	1.37	1.71	2.04
Over 17 lbs. up to 18 lbs.	14c	22c	40c	75c	1.10	1.45	1.81	2.16
Over 18 lbs. up to 19 lbs.	14c	23c	42c	79c	1.16	1.53	1.91	2.28
Over 19 lbs. up to 20 lbs.	15c	24c	44c	83c	1.22	1.61	2.01	2.40
Over 20 lbs. up to 21 lbs.	15c	25c						
Over 21 lbs. up to 22 lbs.	16c	26c						
Over 22 lbs. up to 23 lbs.	16c	27c						
Over 23 lbs up to 24 lbs.	17c	28c						
Over 24 lbs. up to 25 lbs.	17c	29c						
Over 25 lbs. up to 26 lbs.	18c	30c						
Over 26 lbs. up to 27 lbs.	18c	31c						
Over 27 lbs. up to 28 lbs.	19c	32c						
Over 28 lbs. up to 29 lbs.	19c	33c						
Over 29 lbs. up to 30 lbs.	20c	34c						
Over 30 lbs. up to 31 lbs.	20c	35c						
Over 31 lbs. up to 32 lbs.	21c	36c						
Over 32 lbs. up to 33 lbs.	21c	37c						
Over 33 lbs. up to 34 lbs.	22c	38c						
Over 34 lbs. up to 35 lbs.	22c	39c						
Over 35 lbs. up to 36 lbs.	23c	40c						
Over 36 lbs. up to 37 lbs.	23c	41c						
Over 37 lbs. up to 38 lbs.	24c	42c						
Over 38 lbs. up to 39 lbs.	24c	43c						
Over 39 lbs. up to 40 lbs.	25c	44c						
Over 40 lbs. up to 41 lbs.	25c	45c						
Over 41 lbs. up to 42 lbs.	26c	46c						
Over 42 lbs. up to 43 lbs.	26c	47c						
Over 43 lbs. up to 44 lbs.	27c	48c						
Over 44 lbs. up to 45 lbs.	27c	49c						
Over 45 lbs. up to 46 lbs.	28c	50c						
Over 46 lbs. up to 47 lbs.	28c	51c						
Over 47 lbs. up to 48 lbs.	29c	52c						
Over 48 lbs. up to 49 lbs.	29c	53c						
Over 49 lbs. up to 50 lbs.	30c	54c						

Within Local Zones and Zones 1 and 2 Packages up to 50 pounds in weight are carried. The limit of weight for all other zones is 20 pounds.

HOW TO SOW A CERTAIN QUANTITY OF FERTILIZER TO THE ACRE AND HAVE IT EVENLY DISTRIBUTED.

Many farmers find difficulty in making their fertilizer run out any certain quantity to the acre. Sometimes before they have finished drilling, the fertilizer is exhausted, and again they will have several bags left when they have finished the last row. To overcome this difficulty, we have prepared the following table, which shows how much to sow per hundred feet, in order to make different quantities, ranging from 200 to 2,000 pounds per acre. If you want to sow 800 pounds to the acre, and your rows are 36 inches apart (from stalk to stalk), you find where the line opposite "800" and the line under "36" cross each other, and you find "5 pounds 2 ounces." You then set your drill so that it will use 5 pounds 2 ounces in a hundred yards, and the fertilizer will then be drilled at the rate of 800 pounds to the acre.

POUNDS OF FERTILIZER PER 100 FEET.

Pounds Per Acre:	Distance Between Rows (stalk to stalk): 28 Inches	32 Inches	34 Inches	36 Inches	40 Inches
200	1 lb. 1 oz.	1 lb. 4 oz.	1 lb. 5 oz.	1 lb. 6 oz.	1 lb. 8 oz.
300	1 lb. 8 oz.	1 lb. 13 oz.	1 lb. 15 oz.	2 lb. 1 oz.	2 lb. 5 oz.
400	2 lb. 2 oz.	2 lb. 7 oz.	2 lb. 10 oz.	2 lb. 12 oz.	3 lb. 1 oz.
500	2 lb. 11 oz.	3 lb. 1 oz.	3 lb. 4 oz.	3 lb. 7 oz.	3 lb. 13 oz.
600	3 lb. 3 oz.	3 lb. 11 oz.	3 lb. 14 oz.	4 lb. 2 oz.	4 lb. 9 oz.
800	4 lb. 4 oz.	4 lb. 14 oz.	5 lb. 3 oz.	5 lb. 8 oz.	6 lb. 2 oz.
1000	5 lb. 6 oz.	6 lb. 2 oz.	6 lb. 8 oz.	6 lb. 14 oz.	7 lb. 10 oz.
1500	8 lb. 0 oz.	9 lb. 3 oz.	9 lb. 12 oz.	10 lb. 5 oz.	11 lb. 7 oz.
2000	10 lb. 11 oz.	12 lb. 4 oz.	13 lb.	13 lb. 12 oz.	15 lb. 4 oz.

VEGETABLE SEEDS

Your particular attention is called to the fact that in listing the different varieties of each vegetable, we have avoided the reprehensible practice indulged in by some seedsmen, of re-naming old standard varieties, on which the prices have become fairly well fixed, and offering them under new names, at much higher prices, claiming in extenuation that these new (?) varieties have many points of superiority over the old standard sorts. Such methods are not only unjust and confusing to the planter, but also tend to prejudice him against any really new varieties of merit, which may be brought out by trustworthy seedsmen. In their constant striving to improve stocks of all kinds, seedsmen often are able to obtain entirely new varieties, which really have merit, and are superior to the kinds in general use. The up-to-date planter and trucker is also naturally on the lookout for any such varieties. Therefore, it is manifestly unfair to him, as well as to the seedsman (who has by continual experimenting, possibly over a number of years, produced a new variety of merit, and to distinguish it has given it a new name), that some seedsmen should take advantage of these facts and try to reap an extra profit by simply re-naming an old variety, and putting an extra price on it.

Therefore, wherever you find herein a variety with the name of which you are not familiar, you can rest assured that it is no old standard sort, re-named, but is a new variety, which we have tried out thoroughly before listing, and its particular claim to merit and superiority will be found set out fully in the description.

ARTICHOKE.

CULTURE.—1 oz. of seed to 75-80 feet of drill should produce from 400 to 500 plants. Sow indoors or in hot-beds latter part of January, or in the open the latter part of March. Transplant in rows 2½ to 3 feet apart, about 2 feet apart in the rows.

Green Globe Artichoke.

GREEN GLOBE.—Favorite French vegetable, grown for the undeveloped flower heads, which are cooked like Asparagus. Very hardy in Virginia and the South, and should be grown more extensively for Northern markets. Once planted, it lasts for several years. **1 oz., 25c; ¼ lb., 85c; 1 lb., $3.00.**

JERUSALEM (Tubers).—Of greatest value for feeding to stock, especially hogs. Makes an enormous yield, and a field once planted continues yielding for several years. Also sometimes used as a vegetable, and for pickling. **1 qt., 20c; 1 pk., 50c; 1 bu., $1.50.**

ASPARAGUS.

An Asparagus Bed is easy to make, lasts a lifetime, and is a continual source of profit each year to the shipper, and pleasure for the private gardener.

CULTURE.—1 oz. of seed to 40-50 feet of drill should produce from 300 to 400 plants, with good care. Sow in early Spring in rich soil, covering seeds about ½ inch deep, having previously soaked seed for twenty-four hours in warm water. Transplant the following Spring into permanent bed.

COLUMBIAN MAMMOTH WHITE.—An entirely new and distinct variety, with white shoots, which remain white as long as fit for use. **1 oz., 10c; ¼ lb., 20c; 1 lb., 65c.**

CONOVER'S COLOSSAL.—An old standard, producing more roots to the stalk than any other kind. **1 oz., 10c; ¼ lb., 20c; 1 lb., 50c.**

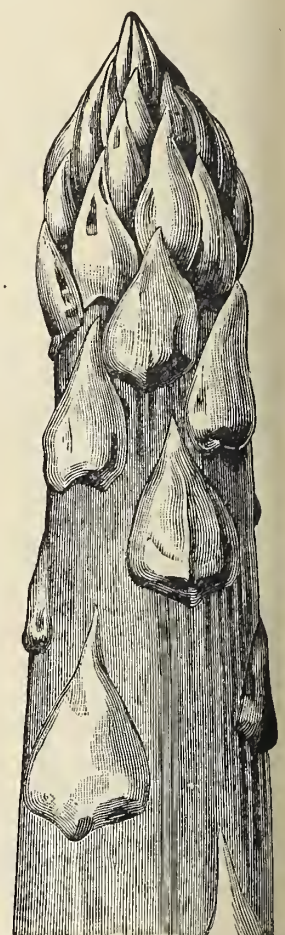
GIANT ARGENTIEUL.—A selection from French imported Argentieul stock, regarded as superior to Palmetto in the South. **1 oz., 10c; ¼ lb., 20c; 1 lb., 60c.**

PALMETTO.—Favorite with the truckers. Earlier than Conover's Colossal with larger and thicker stalks. **1 oz., 10c; ¼ lb., 20c; 1 lb., 50c.**

ASPARAGUS ROOTS.

CONOVER'S COLOSSAL.—Two-year-old roots. **100, 90c; 1,000, $5.00.**

PALMETTO.—Two-year-old roots. **100, $1.00; 1,000, $5.00.**



Palmetto.

HARDY PROLIFIC STRAINS

BEANS

CROP VERY SHORT ORDER EARLY

A pint of beans weighs 1 Lb.; Quart, 2 Lbs.; See Page 5 for Parcels Post Rates.

Our stocks are grown for us by the most experienced growers in the world, who are situated where just the right sort of climatic conditions prevail to give us seeds full of vitality, of strong germinating power, and great blight resistant qualities. These growers exercise every possible care in the breeding up of our seed stocks, our fields are carefully rogued of all off-types, and consequently we know that the stocks we offer you are as near perfection as it has been possible so far to get them, free from any traces of blight or anthracnose, absolutely true-to-type, and of high vitality and germination.

ASK THE MEN WHO PLANT THEM.

CULTURE.—No crop responds more readily than Beans to good soil and cultivation. If too rank manure is used, however, they show a tendency to run too much to vine. Beans are very sensitive to cold and wet, and really should not be planted in this section until early in April, though frequently they are put in in March. The Fall crop is put in in August. Plant in rows 2 to 2½ feet apart, covering one to two inches deep, and allowing 3 to 4 inches apart in the row for green varieties, 4 to 6 inches for wax. For a succession, for private gardens, plant at intervals of two weeks, except during June and July, as they generally do not do well during these very hot months. Give frequent shallow cultivation up to the time of blossoming, not, however, when the ground is wet, or dew on the vines, as it is liable to cause rust.

1 quart is sufficient for 100 feet drill, 1 to 1½ bushels to acre.

Black Valentine Beans.

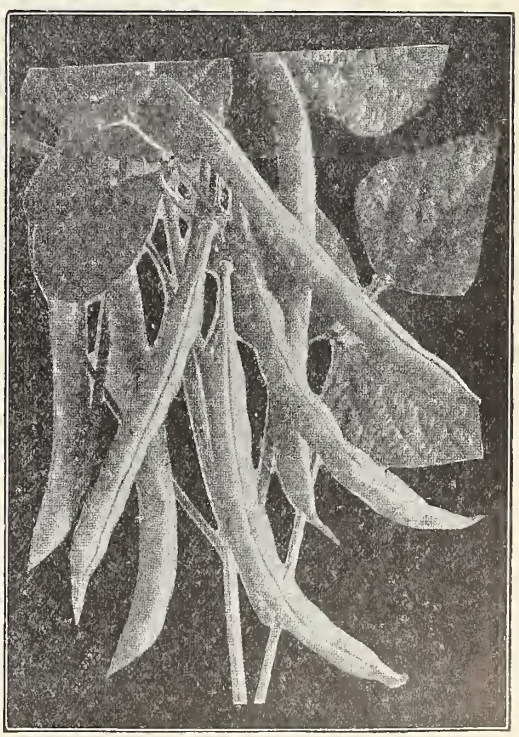
FULL MEASURE.—A new stringless green pod variety, which is rapidly becoming very popular with both the market and private gardener. The vine is of vigorous growth, and bears long straight pods, handsome, firm and tender, and is very prolific. **Pkt., 10c; pt., 20c; qt., 35c; pk., $1.75; bu., $6.50.**

LONGFELLOW.—A superior type, early, hardy and prolific, bearing straight round pods, of very attractive appearance, and good quality. It is rather subject to disease in bad weather, however, and for this reason we cannot recommend it as highly as some other sorts. **Pkt., 10c; pt., 20c; qt., 35c; pk., $1.75; bu., $7.00.**

WILLIAMS' EXTRA EARLY BLACK VALENTINE.—Well named by some seedsmen "The King of the Earlies," since it continues to demonstrate the fact that in earliness, as well as hardiness and productiveness, it is in a class entirely to itself. It will stand more frost and cold weather than any other variety. The vines are very hardy and vigorous, and the pods are round, straight, and of beautiful green color. Very prolific, and while possibly not the best variety for the private garden, it is decidedly the best yet introduced for the shipper. Ready for picking in 45 to 50 days after planting. **Pkt., 10c; pt., 25c; qt., 40c; pk., $2.25; bu., on application.**

WILLIAMS' IMPROVED RED VALENTINE.—This has been for a long time the standard green podded Snap Bean of the country, though in some sections now it is being displaced by other varieties. It is a first-class market sort, and is still extensively grown through the South. Our strain is very early, uniform, and we believe it is the best on the market. The pods are light green, round and slightly curved, four to five inches long, and set in great profusion on vigorous vines, of long bearing quality. **Pkt, 10c; pt., 20c; qt., 35c; pk., $1.75; bu., $6.50.**

For shipping and market, plant Williams Extra Early Black Valentine, Improved Red Valentine, New Extra Early Wax, or Currie's Rust Proof Wax, for Spring crop; True Refugee, or 1000-1, and Hodson Wax, for Fall crop. For the private garden, Burpee's Stringless or Giant Stringless Green Pod, and California Wax or Goldeneye Wax.



Extra Early Red Valentine Bean.

Refugee, or 1,000 to 1.

WILLIAMS' TRUE REFUGEE, OR 1000-1.—We have every reason to be especially proud of our strain of this grand Fall Bean, which we firmly believe to be the best on the market. No matter how large preparations we may make, it seems impossible for us to get enough to satisfy our trade, and we are nearly always sold out long before planting time. This variety is used almost entirely now for Fall planting, as owing to its heavy vine growth, it affords protection against early frosts. The pods are similar in appearance to Black Valentine, but larger. As its name indicates, it is a very heavy bearer, and is immune from disease and rust. We cannot recommend it too highly, especially for Fall planting. Place your orders early, to insure getting what you want. **Pkt., 10c; pt., 20c; qt., 35c; pk., $2.00; bu., on application.**

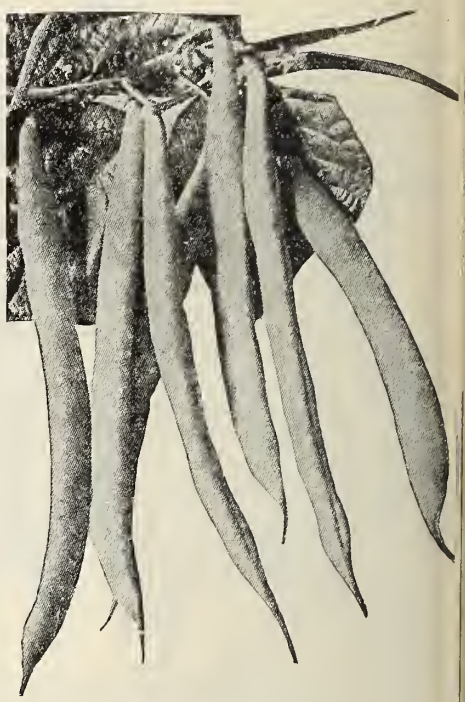
EXTRA EARLY REFUGEE.—Similar in type to the true Refugee, this variety should not, however, in any way be confused with the true Refugee. It is about ten days earlier than Refugee, and bears straight stringless pods, excellent for pickling. It is not nearly so prolific as the true Refugee, however, and as there are so many better varieties, we cannot recommend it especially, either for Spring or Fall planting. **Pkt., 10c; pt., 20c; qt., 35c; pk, $1.90; bu., $7.00.**

BURPEE'S STRINGLESS GREEN POD.—Without doubt the most tender string Bean in cultivation. The vine is similar to the Red Valentine, but develops pods to edible condition earlier, and its continuous bearing qualities, and superior flavor make it the most desirable for the private garden. It is absolutely stringless at all stages, and we feel that we can recommend it without reservation, as the best variety for the private garden. **Pkt, 10c; pt., 20c; qt., 40c; pk., $2.25; bu., on application.**

Williams New Extra Early Wax.

HODSON GREEN POD.—Later than other varieties, but free from rust or blight. Bears long pods, stringless when young, and holding their crispness well. Identical with Hodson Wax, except in the color of the Bean. It is a very prolific bearer. **Pkt., 10c; pt., 20c; qt., 35c; pk., $2.50; bu., on application.**

GIANT STRINGLESS GREEN POD.—Very much like the Burpee's stringless, and recommended, like it, on account of its being stringless. It is very productive, bearing large round straight pods 5 to 6 inches long, tender, and of fine flavor. **Pkt. 10c; pt. 20c; qt. 35c; pk. $2; bu., on application.**



Hodson Green Pod.

WAX PODDED VARIETIES.

WILLIAMS' NEW EXTRA EARLY WAX.—An entirely new and distinct variety, destined, we believe, after careful observation for two or three years, to as pre-eminent position among wax varieties as the Black Valentine has among Green. Our tests show it to be equally as early as the Black Valentine, and without any trace of rust or disease of any kind. The vine is strong and erect, and bears in profusion long well proportioned, richly colored pods. (See illustration, which is a plant taken from our growing fields for seed.) We have been carefully breeding up our stock through several seasons, improving the quality, until we think we have it about perfected now, and are offering it in limited quantities this season. On account of its hardiness, earliness, and rust-resistant qualities, we look for it to largely supplant other wax varieties. **Pkt., 10c; pt., 35c; qt., 50c; pk., $3.00; bu., on application.**

WILLIAMS' CALIFORNIA RUST-PROOF WAX.—This has been the standard wax Bean for a long time, and as we have kept our strain carefully bred-up, we still have absolute confidence in the stock, in spite of the assertions of some seedsmen that all strains have degenerated. Our strain is extra early, extremely hardy, and bears an abundance of handsome long yellow flat pods. Although not entirely immune from rust, it has great rust resistant qualities, and we rarely ever hear of any complaint on this score. **Pkt., 10c; pt., 25c; qt., 40c; pk., $2.50; bu., on application.**

KEENEY'S RUSTLESS GOLDEN WAX.—Vigorous and wonderfully productive, and of excellent quality. The pods are thick, meaty, entirely stringless, and very tender. **Pkt., 10c; pt., 25c; qt., 40c; pk., $2.50; bu., on application.**

WILLIAMS' HODSON WAX.—A very superior variety, now used almost altogether for Fall planting. It is very productive, with strong healthy vine growth, and apparently entirely immune from rust. Bears long handsome tender pods, brittle and of fine quality. Unsurpassed for shipping. Our strain, so our customers all tell us, is particularly fine, and we strongly recommend it as the best variety for Fall planting. **Pkt., 10c; pt., 30c; qt., 50c; pk., $2.75; bu., on application.**

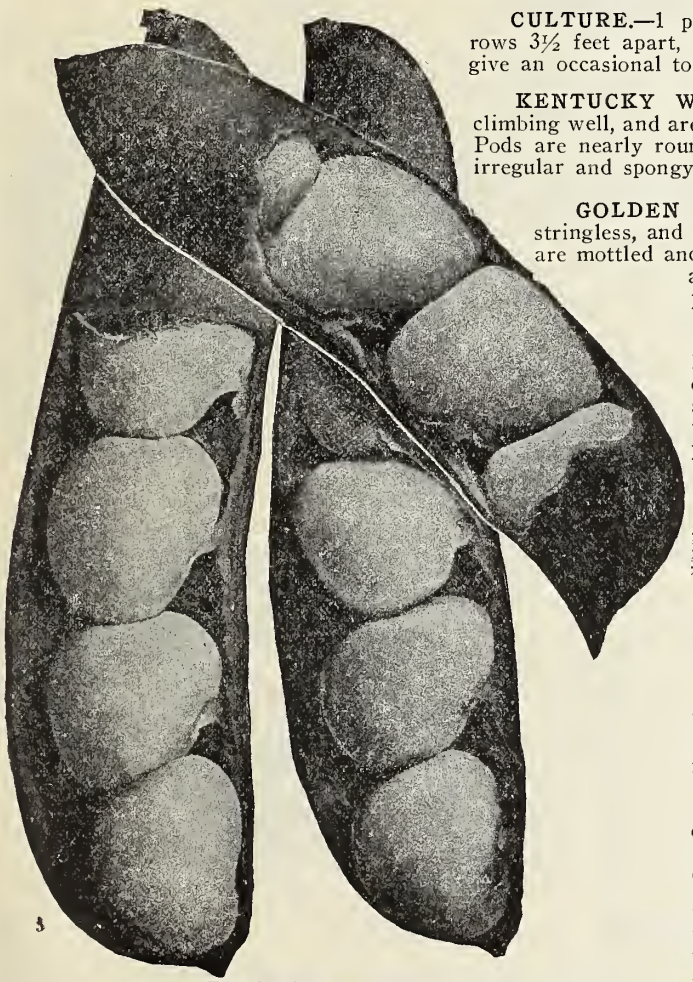
DAVIS KIDNEY WHITE WAX.—A favorite with truckers. Very productive, bearing pods very uniform in size, and very attractive. The Beans are white, and if allowed to mature, make excellent shelled beans for Winter use. **Pkt., 10c; pt., 25c; qt., 40c; pk., $2.50; bu., on application.**

WILLIAMS' GOLDENEYE WAX.—A medium early variety. The pods are semi-round, smooth and straight, not quite so attractive in appearance as other varieties, its great value lying in the fact that it is apparently entirely free from danger of spotting or rust. **Pkt., 10c; pt., 25c; qt., 40c; pk., $2.50; bu., on application.**

PENCIL POD BLACK WAX.—A selected type of dwarf black wax, very desirable for either market or home use. The pods are round, and of uniform rich yellow color, entirely stringless and very tender. **Pkt., 10c; pt., 25c; qt., 40c; pk., $2.50; bu., on application.**

CURRIE'S RUST-PROOF WAX.—One of the earliest and most prolific of all wax Beans, and a favorite market and shipping sort. The vine is strong, upright, and bears in great profusion pods of beautiful golden color, long, stringless, and of excellent quality. Our strain of this old favorite is unsurpassed by any. **Pkt., 10c; pt., 25c; qt., 40c; pk., $2.50; bu., on application.**

POLE OR RUNNING VARIETIES.



Fordhook Bush Lima.

CULTURE.—1 pint is sufficient for 75 hills, 10 to 12 qts. to acre. Plant in rows 3½ feet apart, and 3½ to 4 feet apart in the row. Cultivate frequently, and give an occasional top-dressing of fertilizer.

KENTUCKY WONDER.—The most popular variety. Vines are vigorous, climbing well, and are very productive, bearing very large sized pods in large clusters. Pods are nearly round when young, and crisp, but as they reach maturity become irregular and spongy. **Pkt., 10c; pt., 20c; qt., 35c; pk., $2.00; bu., on application.**

GOLDEN CARMINE HORTICULTURAL PODDED.—Pods are large, stringless, and bright golden color when young, but as they approach full size, are mottled and streaked with an unusually bright carmine color, giving them a strikingly beautiful and attractive appearance. **Pkt., 10c; pt., 20c; qt., 35c; pk., $2.00; bu., on application.**

WHITE KENTUCKY WONDER, or BERGER'S STRINGLESS GREEN POD.—An early maturing white seeded bean of the same characteristics as the Kentucky Wonder. Entirely stringless, and very desirable for snaps. Considered one of the most desirable pole beans. **Pkt., 10c; pt., 20c; qt., 35c; pk., $2.00; bu., on application.**

We believe reliable seeds should be sold at reasonable prices, and this we propose always to do.

LIMA BEANS, BUSH VARIETIES.

CULTURE.—1 qt. of small Bush Limas will plant about 250 hills, larger varieties from 100 to 150. Sow in rows 2½ feet apart, and 6 inches between in the rows, after all danger of frost is over.

FORDHOOK.—Plant is vigorous and erect, bearing well up off the ground. Pods are produced in clusters, and are medium green, four to five inches long, and contain four to five beans of exceptional quality. We consider this the best of the Bush Limas, and recommend it unhesitatingly. This variety has never been grown largely in our section, but once it becomes well known, we believe it will supplant all other sorts. Beans are large, meaty and very sweet flavored. **Pkt., 10c; pt., 25c; qt., 40c; pk., $3.00; bu., $10.00.**

BURPEE'S.—The bush form of the true luscious large lima. Bushes grow 18 to 20 inches high, of stout growth, and always erect. An immense yielder. **Pkt., 10c; pt., 20c; qt., 35c; pk., $2.00; bu., $7.50.**

You can't beat Williams' Seeds anywhere, at any price.

Prolific Bush Lima Bean.

HENDERSON'S BUSH LIMA (Bush Butter Bean.)—Valuable on account of its extreme earliness and productiveness. Vines continues to set pods until frost. Pods are medium dark green, short, and bear two to four beans, of excellent quality, either green shelled or dry. **Pkt., 10c; pt., 15c; qt., 30c; pk., $1.75; bu., $7.00.**

BURPEE'S IMPROVED.—The earliest maturing of the large seeded limas. Pods are enormous in size, borne abundantly, and well filled with beans that are larger and thicker than the old Burpee's. Dried Beans have a greenish white tinge. **Pkt., 10c; pt., 25c; qt., 40c; pk., $2.75; bu., $9.00.**

PROLIFIC.—A much improved type of Henderson's Bush, having more foliage and producing a larger crop of beans of larger size. Vine is full of pods and continues bearing until frost. We recommend this variety very strongly for market gardeners. **Pkt., 10c; pt., 25c; qt., 35c; pk., $2.00; bu., $7.50.**

We cater to a critical gardeners trade, and are sure that seeds that are good enough to procure for us a rapidly growing demand from market gardeners are certainly good enough to give the highest satisfaction to the farmer and private planter.

POLE VARIETIES.

CULTURE.—1 qt. of the large varieties will plant about 125 hills; of the small, 250 hills. Plant in rows 3½ feet apart, 4 feet apart in the row, putting about two beans on each side of the pole, planting after all danger of frost is over.

CARPINTERIA.—One of the largest and most valuable sorts yet introduced. Vine is very vigorous, and produces an abundance of large medium green pods, containing generally four large beans of exceptional quality. Beans have a decided greenish tint, an indication of quality. **Pkt., 10c; pt., 20c; qt., 35c; pk., $2.00; bu., $7.50.**

LEVIATHAN.—One of the best improvements in pole Limas, a week earlier than ordinary kinds. Pods are nearly straight, and contain generally five well developed beans. **Pkt., 10c; pt., 20c; qt., 35c; pk., $2.00; bu., $7.50.**

SIEBERT'S EARLY.—One of the very earliest. Pods are large, but thin, and very easily shelled. The green shelled beans are very large, tender and of finest quality. **Pkt., 10c; pt., 15c; qt., 30c; pk., $1.25; bu., $7.00.**

KING OF THE GARDEN.—A favorite sort on account of its size and profusive bearing qualities, but inferior to Mammoth Podded, or Ideal. **Pkt., 10c; pt., 15c; qt., 30c; pk., $1.75; bu., $7.00.**

IDEAL.—Vines are unusually vigorous, and very productive, bearing large clusters of medium green pods, six to seven inches long, and containing four to six beans each of good quality. Matures a little later than Siebert's Early, but pods are larger. **Pkt., 10c; pt., 20c; qt., 35c; pk., $2.00; bu., $7.50.**

FORD'S MAMMOTH-PODDED.—The result of twenty years' careful selection. Vines grow vigorously, commence setting early, and bear continuously until frost. Pods are seven to eight inches long, with five to seven beans to pod, of most excellent quality, either green or dry. Without exception the largest podded, finest flavored and most productive. **Pkt., 10c; pt., 20c; qt., 35c; pk., $2.00; bu., $7.50.**

CAROLINA, or SIEVA (Small White Lima).—Vines have many short branches, and are sometimes grown without poles. Pods are dark green, curved, and flat. Very early and productive, and yields abundantly until killed by frost. Known as the Butter Bean in the South. **Pkt., 10c; pt., 20c; qt., 35c; pk., $2.00; bu., $7.50.**

BROCCOLI.

The heads of this vegetable resemble a coarse Cauliflower, and the culture is essentially the same. It will withstand greater extremes of weather than the Cauliflower, and is especially adapted to sections where the season is long, cool and moist. Sow seed either in the Spring or Fall, and transplant into rows 2½ feet apart, and about 2 feet apart in the row. Cultivate like Cabbage or Cauliflower.

1 oz. Seed is sufficient for 150 feet of drill, and will produce about 2,000 plants.

EARLY WHITE CAPE.—The best variety grown. The heads are white, compact, and of good quality. Hardy vigorous, and easily grown. **Pkt., 10c; oz. 30c; ¼ lb. $1.00; ½ lb., $1.75; 1 lb., $3.00.**

Early White Cape.

HERBS

BASIL SWEET.—Large, green. Oz. 10c; ¼ lb. 35c; lb. $1.00.
BORAGE.—Oz., 10c; ¼ lb., 35c; 1 lb., $1.00.
CARAWAY.—Oz., 8c; ¼ lb., 20c; 1 lb., 60c.
CORIANDER.—Oz., 8c; ¼ lb., 20c; 1 lb., 60c.
DILL.—Oz., 8c; ¼ lb., 20c; 1 lb., 60c.
FENNEL, FLORENCE.—Oz., 15c; ¼ lb., 40c; 1 lb., $1.25.
LAVENDER.—Oz., 15c; ¼ lb., 45c; 1 lb., $1.50.
MARJORAM (Sweet American).—Oz., 30c; ¼ lb., $1.00; 1 lb., $3.50.
ROSEMARY.—Oz., 35c; ¼ lb., $1.00; 1 lb., $3.50.
SAGE.—Oz., 15c; ¼ lb., 40c; 1 lb., $1.25.
SAVORY, SUMMER.—Oz., 10c; ¼ lb., 35c; 1 lb., $1.00.
THYME, BROAD-LEAF WINTER.—Hardy. Oz., 35c; ¼ lb., $1.15; 1 lb., $4.00.

SPECIAL SELECTED STOCKS

BEETS

GROWN IN FRANCE

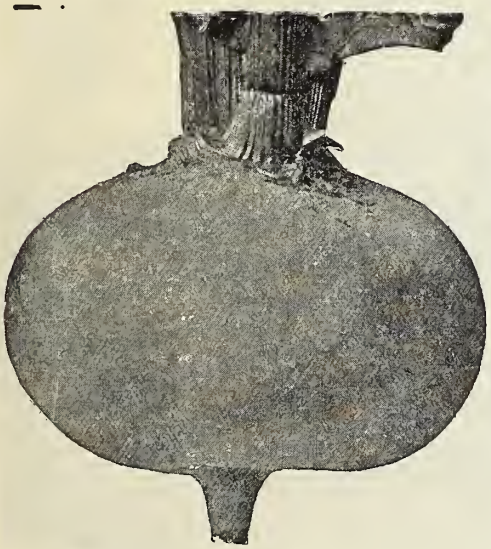
See Parcels Post Table on Page 5 for rates.

All our Beet Seed are grown for us, under special contract, abroad, it being generally acknowledged that over in the Old Country they produce the finest quality. All the seed are saved only from carefully selected full grown roots, uniform in size, shape and color. Our steadily increasing sales are proof positive to us of their superior quality.

CULTURE.—Best results are obtained from a deep rich sandy loam. For very early Beets, sow seed in hot-beds in December or early in January, transplanting outdoors as soon as the weather permits, in rows 18 inches apart, and 4 to 6 inches apart in the row. Outdoor sowings can be made from the middle of February on until September, either in 18-inch rows, or on 4½ foot beds, 3 rows to the bed. The ground should be rich and should be kept constantly cultivated.

1 oz. seed is sufficient for 40 to 50 feet drill, 5 to 6 lbs. to the acre.

WILLIAMS' EXTRA EARLY EGYPTIAN BEET.—The earliest variety, and on this account, and its small top, it is largely used for hot-bed sowings for earliest Beets. It is inferior in quality to the other kinds, as it soon becomes "woody," and is only used on account of its extreme earliness. **Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; 1 lb., 60c; 10 lbs., $5.50.**



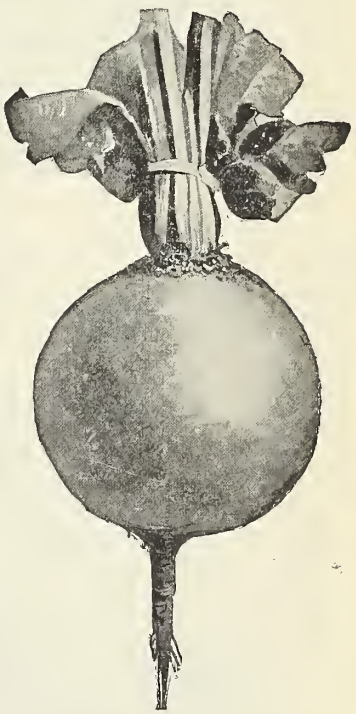
Williams' Selected Crosby's Egyptian.

WILLIAMS' DETROIT DARK RED.—One of the best deep red turnip beets, either for market gardeners or for home use, and the most desirable for canning. The tops are small, upright in growth, with dark green leaves, shaded with red. The roots are medium sized, nearly round, very smooth, and dark blood red in color. The flesh is deep vermillion red, crisp, tender, and sweet. An especially desirable variety for private gardens. **Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 75c; 10 lbs., $7.25.**

WILLIAMS' SELECTED CROSBY'S EGYPTIAN.—A carefully selected and improved strain of this famous standard main crop variety. It is the ideal market gardener's beet, growing small tops, with flattened globe shaped smooth roots, and flesh of bright vermillion red color, sweet, tender and of most excellent quality. Our repeat orders whereever we have sold this stock once, convince us thoroughly that it deserves our highest recommendations. **Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 75c; 10 lbs., $7.25.**

EXTRA EARLY ECLIPSE.—A very desirable variety of early beet, with small top, and root of bright deep red color, smooth and round. The flesh is bright red and very tender. **Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 65c; 10 lbs., $6.25.**

LENTZ.—Similar to Egyptian, but requiring longer to mature. The root is nearly round, with deep red, crisp and tender flesh. A very good variety for Summer and Autumn use. **Pkt, 5c; oz., 10c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 60c; 10 lbs., $5.50.**



Extra Early Eclipse Beet.

EARLY TURNIP BASSANO.—An early quick growing variety. The tops are large, with large light red roots. The flesh is pink, zoned with white, very sweet and tender when young. **Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 65c.**

EDMOND'S EARLY BLOOD TURNIP.—The tops are small and spreading. The root is nearly round or slightly flattened, and dark red in color. The flesh is purplish red with slight zoning, crisp and sweet, and an excellent keeper. **Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 65c; 10 lbs., $6.25.**

SWISS CHARD (Spinach Beet).—This variety is grown only for the leaves, which are cooked like Spinach. It is very easily cultivated, is very prolific, and should have a place in every garden. **Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 85c.**

SUGAR BEETS.

VILMORIN'S IMPROVED.—About the richest in sugar contents of any variety. A heavy yielder, giving 10 to 15 tons to the acre. Does best on new land. **Oz., 5c; ¼ lb., 15c; 1 lb., 45c.**

LANE'S IMPERIAL SUGAR.—A hardy and productive sort. Heavy yielder, with large percentage of sugar. **Oz., 5c; ¼ lb., 15c; 1 lb., 50c.**

LONG DARK BLOOD.—A standard late variety of good quality, keeping well through the winter. Root grows half out of the ground, with few or no side roots, and is smooth. Flesh dark red, very tender and sweet. **Oz., 5c; ¼ lb., 15c; 1 lb., 50c.**

STOCK BEETS. (Mangel Wurzels.)

GOLDEN TANKARD.—A heavy yielder, of rich yellow color, and sweet flavor. **Oz., 5c; ¼ lb., 15c; 1 lb., 45c.**

YELLOW GLOBE.—Grows almost entirely above ground, and is best for shallow soil. **Oz., 5c; ¼ lb., 15c; 1 lb., 45c.**

IMPROVED MAMMOTH LONG RED.—Largest and most productive variety. Does best in good deep loamy soil. **Oz., 5c; ¼ lb., 15c; 1 lb., 45c.**

We do not advocate the use of cheap seed, as they are generally dear at any price.

LONG ISLAND GROWN STOCK

CABBAGE

THE BEST STRAINS IN EXISTENCE

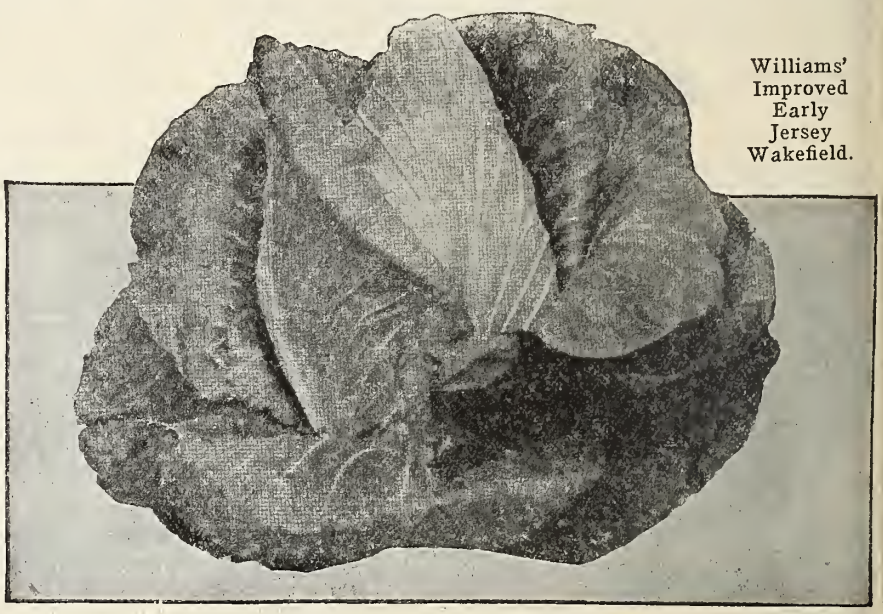
See Parcels Post Table on Page 5 for rates.

All our seed are grown on Long Island, as seed from there are universally acknowledged purer and earlier than any others. We don't offer any English or French or Holland grown seed, though, if we so wished, we could, and could sell them to you much cheaper. But since it only takes from four to eight ounces of seed to give enough plants for an acre, why try to save ten or fifteen cents in the cost of the seed, and thereby run the risk of having almost 57 varieties in your field. Our seed may cost a little more than such stock, but when you use them, you are assured of a good field of uniform growth and heading, and early maturity. Isn't it worth while to pay a little more for good seed, and be sure of results, rather than to save a few cents in the cost of the seed, and have your crop come off after the other fellow's and when the market is glutted?

CULTURE.—A heavy, moist, rich loam is most suitable for Cabbage, and deep and thorough cultivation, and an abundance of manure, are essential to a good crop. For early crop, sow seed from the latter part of September to the middle of October, in well prepared beds, transplanting to open field when large enough, to rows 3 feet apart, and 15 to 18 inches apart in the row. Or sow in cold frame or hot-bed in December or January, transplanting to open ground as soon as the weather permits. For a second crop, sow seed from March 20th to April 1st. For Fall and Winter crop, sow from 15th of May to the last of June, transplanting in July and August. Frequent hoeing and cultivation is necessary, especially in dry weather, to create moisture.

1 oz. seed will give 2,000 to 2,500 plants, ¼ to ½ lb. sufficient for an acre.

For maggots at roots, apply Kerosene emulsion. For the Cabbage worm, apply slug-shot or Arsenite of Zinc, taking care not to use too much, as both are poisonous, and when used, care must be taken to break off the outside leaves before shipping. For the terrapin bug, hand-picking is the only remedy.



Williams' Improved Early Jersey Wakefield.

EXTRA EARLY SORTS.

WILLIAMS' EXTRA EARLY.—Very early, ready for market 15 to 20 days before early Jersey. Oval head, astonishingly large for the size of the plant, solid, and of fine quality. **Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., $3.**

EXTRA EARLY JERSEY WAKEFIELD. The earliest hard heading Cabbage. The heads are pointed and hard, and they can be planted very closely together. They are smaller than true Early Jersey Wakefield, but are planted by some few on account of being earlier. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., $2.50.**

Charleston Wakefield.

EARLY SORTS.

WILLIAMS' TRUE EARLY JERSEY WAKEFIELD.—The standard first early Cabbage for the market grower. It is exceedingly hardy, resisting cold and other adverse conditions, and sure heading. Ready for market about a week earlier than the Charleston Wakefield. The heads are conical, medium sized with little outer foliage, and they can be planted very close together. Our stocks are absolutely true to type, the greatest care being exercised to avoid mixture, and we have found them after thorough experiments, to be as early as the earliest. **Pkt., 5c; oz., 25c; ¼ lb., 65c; 1 lb., $2.00.**

WILLIAMS' LARGE, or CHARLESTON, WAKEFIELD.—The principal variety for early main crop. About a week later than the Early Jersey Wakefield, but with larger and less pointed head, and is less liable to burst open, especially in rainy season. Our strain is unsurpassed by any, combining earliness, large size, uniformity in heading and solidity. **Pkt., 5c; oz., 25c; ¼ lb., 65c; lb., $2.**

WILLIAMS' COPENHAGEN MARKET.—A grand new variety, and destined, so we think, in large measure to supplant the Charleston Wakefield. It is fully as early as the Charleston, with round, very large, solid head, of fine quality. Tried side by side for two years with the Charleston, we have found it equally as early, as sure heading, and a prettier Cabbage and a larger yielder. Our seed is grown for us by the originator of the strain, and we know it to be right. We would like for all our customers to try a little this year, as we believe it will be distinctly to their advantage. Our stock is somewhat limited and we advise placing your orders early. **Pkt., 5c; oz., 45c; ¼ lb., $1.25; 1 lb., $4.00.**

SECOND EARLY SORTS.

WILLIAMS' SUCCESSION.—The very best second early Cabbage in existence. It is somewhat similar to All Seasons, but is later and makes a much larger head. It is very uniform in shape, size and heading quality, and though some strains have run down to the point where the growers hesitate to recommend them, we have kept our stock bred up very carefully on our Long Island place, and can unhesitatingly recommend it. It is one of the most reliable Cabbages ever introduced. **Pkt. 5c; oz., 25c; ¼ lb., 65c; 1 lb., $2.00.**

"Succession."

WILLIAMS' EARLY FLAT DUTCH.—A very valuable second early variety. The plants are short stemmed and upright, and can be set very close together. The head is solid, nearly round, and very uniform in size and shape. **Pkt., 5c; oz., 25c; ¼ lb., 65c; 1 lb., $2.00.**

Early Flat Dutch Cabbage.

ALL HEAD EARLY.—Especially recommended on account of its uniformity of size and shape, and sure heading qualities. If planted late, it can also be used as a Winter sort. **Pkt., 5c; oz., 25c; ¼ lb., 65c; 1 lb., $2.00.**

ALL SEASONS.—A very good variety for Summer or Fall. It makes very large heads, round, somewhat flattened, very solid, and of first class quality. **Pkt., 5c; oz., 25c; ¼ lb., 65c; 1 lb., $2.00.**

GLORY OF ENKHUIZEN.—A remarkably popular variety, which has much to recommend it. The heads are globe shaped, medium sized, handsome in color, and of excellent quality. The leaves fold close, thus allowing close planting. A most excellent variety, and one which we feel no hesitancy in recommending, after thoroughly trying it out. **Pkt., 5c; oz., 25c; ¼ lb., 65c; 1 lb., $2.00.**

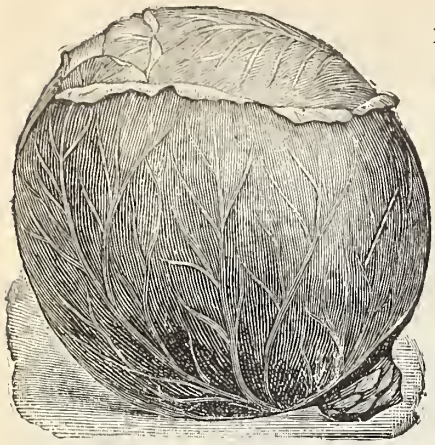
"Glory of Enkhuizen."

AUTUMN AND WINTER SORTS.

WILLIAMS' SELECTED PREMIUM LATE FLAT DUTCH.—The very finest and most improved strain of this popular sort. The heads are flat on top, very large and solid, and of the finest quality. The plant has a short stem, with few outer leaves. It is one of the best keepers. **Pkt., 5c; oz., 25c; ¼ lb., 65c; 1 lb., $2.00.**

LOUISVILLE DRUMHEAD.—Short-stemmed, with few outside leaves, and of compact growth, making large solid hard heads of uniform size. It withstands heat and drought to a remarkable extent, and is especially recommended where these conditions are liable to arise. **Pkt. 5c; oz. 25c; ¼ lb. 65c; lb. $2.**

All seeds which we do not grow ourselves are grown especially for us under contract in the localities best suited to produce them.



True Short Stemmed Danish Ballhead.

DANISH WINTER BALL HEAD, or HOLLANDER (Short Stem).—A splendid large hard heading variety, a sure header, a good seller, and a fine keeper. Our stock is from the original Danish grown seed, acknowledged the best produced. **Pkt., 5c; oz., 25c; ¼ lb., 65c; 1 lb., $2.00.**

AMERICAN PERFECTION DRUMHEAD SAVOY.—The very finest strain of Savoy. Very tender, and superior in flavor to other Winter sorts. Especially recommended for private gardens. **Pkt., 5c; oz., 25c; ¼ lb., 65c; 1 lb., $2.00.**

MAMMOTH ROCK RED.—The largest and surest heading Red Cabbage. The head is large, round, very solid, and of attractive deep red color. **Pkt., 5c; oz., 25c; ¼ lb., 65c; lb., $2.00.**

We are constantly on the lookout for any improvements over the standard varieties of seeds, but we do not offer any new ones until we have tried them out ourselves, and have assured ourselves of their merit.

BRUSSELS SPROUTS.

This vegetable is used in the Fall and Winter, and is considered more tender and delicious than any Cabbage. It resembles Cabbage somewhat, the edible part being the small head formed at each leaf joint. Too little attention is paid to its growth in the South, owing to the mistaken general idea that our climatic conditions are not favorable. We urge its larger growth. The crop is generally very remunerative, and it is easily grown.

CULTURE.—Sow seed in April or May, transplanting in July to rows 2½ feet apart, allowing 12 to 15 inches between plants. Cultivate as for late Cabbage. The leaves should be broken down in the Fall, to give the little heads room to grow.

1 oz. seed will give 2,000 to 3,000 plants, ¼ lb. is sufficient for an acre.

WILLIAMS' HALF DWARF PERFECTION.—A splendid variety. The plants grow 18 inches to 3 feet high, are very hardy, and give compact round sprouts of large size and good quality. **Pkt. 10c; oz. 20c; ¼ lb. 65c; ½ lb. $1.25; 1 lb. $2.00.**

ODENSE MARKET.—Very hardy and produces an abundance of firm well formed sprouts, thickly set around the stalk. **Pkt. 10c; oz. 20c; ¼ lb., 65c; ½ lb. $1.25; 1 lb. $2.00.**

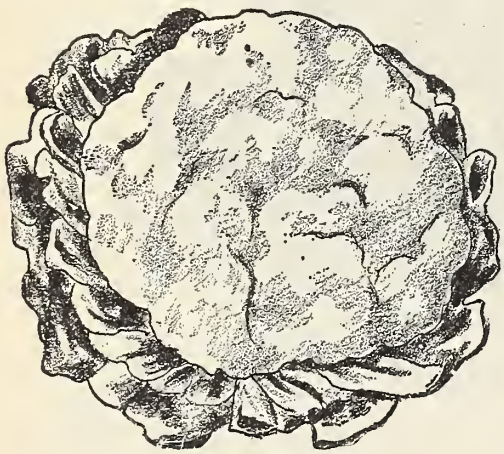
Half Dwarf Perfection.

CAULIFLOWER

Our Cauliflower seed is all grown for us in Denmark, in the locality best suited for their perfect development. All seed are saved only from carefully selected perfect heads, and the stock can be depended upon to produce good results.

CULTURE.—Cauliflower will do well in any land that is suitable for Cabbage, and in general the same cultural directions apply as for Cabbage. Plenty of moisture is necessary for their development, especially at heading time. Sow seed in hot-bed in November, transplant into cold frame for protection during the Winter, and set out in the fields early in April, in rows 2 to 2½ feet apart, and 18 to 24 inches apart in the row. For late crop, sow seed about the 15th of April, transplanting when plants are large enough. Cultivate like Cabbage. When the head commences to form, draw the outside leaves over the head, to protect from the sunlight, thus keeping it white. The heads should be cut while the "curd" is hard and compact.

1 oz. seed will give 1500 plants, ¼ to ½ lb. sufficient for an acre.



Early Snowball.

WILLIAMS' SELECTED EARLY SNOWBALL.—Unquestionably the earliest maturing strain of the true Snowball type. The heads are large sized, solid, compact, very white and curd-like. The plant is very hardy, early, and sure heading. The best variety for forcing or wintering over for early crop, and also one of the best for late crop. Our stock has been thoroughly tested, alongside other stocks, and has shown the largest percentage of well formed heads. We know it is right. **Pkt., 25c; oz., $2.50; ¼ lb., $8.00; 1 lb., $28.00.**

WILLIAMS' EXTRA EARLY DWARF ERFURT.—A sure heading early sort, of dwarf habit, and very similar to Snowball, though not quite so early. The heads are medium sized, curd white, very deep, and of exceptionally fine quality. Where extreme earliness is not the greatest consideration, we unhesitatingly recommend this variety. **Pkt., 25c; oz., $2.00; ¼ lb., $7.50; 1 lb., $25.00.**

VEITCH'S AUTUMN GIANT.—A valuable late variety, with long stem and dark green leaves. The heads are large and compact, and remain firm for use for quite a long time. **Pkt., 10c; oz., 60c; ¼ lb., $1.75; 1 lb., $6.00.**

HORSERADISH

CULTURE.—Grown always from pieces of roots, no seed. Have rows 3 feet apart, and put cuttings one foot apart in the rows. Cultivate the crop like Corn. 10,000 cuttings are sufficient for an acre, and should be planted in early Spring.

MALINER-KREN, or BOHEMIAN.—Earliest, largest yielding and finest grown in this country. Free from disease, and will yield 4 tons to an acre. Adapted to nearly any soil. **Per doz., 20c; per 100, 85c.**

FRENCH GROWN STOCKS

CARROTS

TRUE TO NAME AND PROLIFIC

Our stocks are especially fine. They are grown for us abroad by the most experienced and critical growers. They are all true-to-type, and will be sure to please the most exacting.

CULTURE.—Carrots do best in well enriched and manured sandy loam, though they will do well in any good land that is deep and thoroughly worked. For early crop, sow seed during the early part of April; for late crop, in July and August. As the seed are very slow in germinating, it will be found helpful to soak the seed for twelve hours previous to planting, in warm water, and to roll the land after planting, to prevent evaporation of moisture. Plant in rows 12 to 15 inches apart, thinning later to about 4 inches apart in the rows. Care should be taken to have the land clean, as the seedlings are very delicate, and should not be run over with weeds. Keep well cultivated.

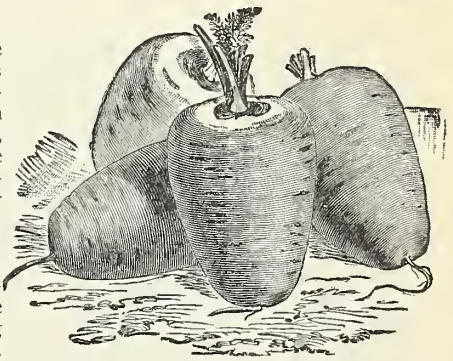
1 oz. seed is sufficient for 100 feet drill, 3 to 4 lbs. for an acre.

For home use, and early bunching, Chantenay and Early Market; for general crop, Danvers. For forcing, Early Scarlet Forcing. For stock, Long Orange.

Chantenay.

CHANTENAY, or MODEL.—One of the best for the market or home garden, while its great productiveness makes it also very desirable for a field sort. The tops are medium sized, with small necks. The roots are thick, about 6 inches long, smooth, and deep orange red in color. The flesh is very crisp and tender. Our strain of this favorite is especially good, as our "repeat" orders testify. **Pkt., 5c; oz., 10c; ½ lb., 75c; 1 lb., $1.25.**

DANVER'S HALF LONG.—Very productive, and adaptable to all classes of soil. The roots are smooth, of medium length, tapering to a blunt point, and of deep orange color. The flesh is tender and of excellent quality. **Pkt., 5c; oz., 10c; ½ lb., 75c; 1 lb., $1.25.**



Oxheart or Guerande.

OXHEART, or GUERANDE.—The best for hard stiff soils. The roots are 4 to 5 ins. long, and very thick. The flesh is bright orange in color, fine grained and sweet. **Pkt., 5c; oz., 10c; ½ lb., 75c; 1 lb., $1.25.**

EARLY SCARLET HORN.—The earliest variety, and best for forcing. The roots are orange red in color, about 3 inches long, blunt pointed, very fine grained, and of sweet flavor. **Pkt., 5c; oz., 10c; ½ lb., 75c; 1 lb., $1.25.**

IMPROVED LONG ORANGE.—A very popular main crop sort, with large sized, smooth, fine grained roots. A splendid keeper. In deep light soil, an enormous crop can be raised. This variety is grown extensively for stock feeding. **Pkt., 5c; oz., 10c; ½ lb., 50c; 1 lb., 75c.**

RUBICON HALF LONG.—A half-long, stump-rooted variety, smooth and of good color, and a quick grower. This variety is used by many gardeners for a sash carrot. **Pkt., 5c; oz., 10c; ½ lb., 75c; 1 lb., $1.25.**

CHICORY

The dried and prepared roots are used as a substitute for coffee, while the young leaves may be used as a Spring salad. Light moderately rich soil is best. Sow seed in May or June, in rows 2 to 2½ feet apart, thinning later to 6 inches apart in the row. Cultivate in general like Parsley. The roots after being dug in the Fall are sliced and dried.

1 oz. seed is sufficient for 100 feet of drill.

MADGEBURG LARGE ROOTED.—Roots, when dried and ground, are used as a substitute for coffee. Young leaves are used as a Spring salad. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., $1.50.**

CORN-SALAD—Fetticus

CULTURE.—One ounce will sow about 150 feet in drill. If wanted for Winter and early Spring, sow from 1st to 15th of October. Work like Spinach.

DUTCH LARGE SEEDED.—A small quick growing round-leaved plant. Leaves are used as a substitute for Lettuce and Spinach. **Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c.**

You can't beat Williams' Seeds anywhere, at any price.

GARLIC

Bulbous rooted plant of the Onion family, of strong penetrating odor, much esteemed by some for flavoring soups, stews, etc. We supply bulbs only. Cultivate and plant like Onions. Pound, 50 cents.

CELERIAC—Turnip Rooted Celery

CULTURE.—One ounce will produce 3,000 plants. Cultivate same as celery, except that no hilling or trenching is required. Work frequently.

GIANT PRAGUE.—An improved strain. The roots are nearly globular shaped, and comparatively smooth. **Pkt., 5c; oz., 20c; ¼ lb., 45c; 1 lb., $1.50.**

Giant Prague Celeriac.

CELERY

CULTURE.—The cultivation in our climate is attended with some difficulty, but while not so large as some, Southern stock has as fine grain and flavor as any. Sow seed early in Spring, in moist place, covering with straw until the seedlings appear, to hold the moisture. Celery seed is very slow in germinating, and moisture is absolutely essential. Do not cover the seed too deep. When the plants are about 2 inches high, thin out and transplant about 3 inches apart. When they are 5 to 6 inches high, transplant again into trenches, 2 to 3 feet apart, and 4 to 10 inches deep, and filled with thoroughly decomposed manure. Allow 6 to 8 inches between plants. As the plants grow, continue hilling up around them, watering freely in dry weather. Finish hilling up in the Fall, when the blanching process will begin. Never work the ground when wet, or when the plants are wet.

1 oz. seed will give about 4,000 plants.

Giant Pascal Celery.

GOLDEN SELF-BLANCHING.—Best for early use, and for private gardens. Plants are of medium size, with yellowish green foliage, and thick, solid, heavily ribbed stalks which blanch easily to a clear waxen yellow. The standard first early sort. **Pkt., 10c; oz., $1.50; ¼ lb., $5.50; 1 lb., $20.00.**

IMPROVED WHITE PLUME.—A favorite with gardeners on account of its earliness and requiring very little earthing up. The stalks and leaves naturally turn white on reaching maturity. **Pkt., 5c; oz., 30c; ¼ lb., 85c; 1 lb., $3.25.**

GIANT PASCAL.—From our tests, we believe this variety to be the best suited for this section. It is a green leaved strain, developed from Golden Self-Blanching, blanching to a beautiful yellow-white color, solid, crisp and of nutty flavor. **Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., $3.00.**

PINK PLUME.—Identical with White Plume, except that the stalks are tinged with pink. **Pkt., 5c; oz., 25c; ¼ lb., $1; 1 lb., $3.50.**

PERLE LE GRAND.—A new large green celery for early and late use. **Pkt., 5c; oz., 25c; ¼ lb., $1.00; 1 lb., $3.50.**

CHERVIL

CULTURE.—One ounce sufficient for 100 feet of drill. Sow early in the Spring, and cultivate in general like Parsley.

CURLED.—Superior to the plain variety, earlier, and of fine fragrance and flavor. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.**

COLLARDS

Tall, loose-leaved, Cabbage-like plants, largely grown throughout the South for use in Winter as Greens, as they can be used through the entire Winter.

CULTURE.—Collards will grow in any soil, even where Cabbage will not succeed. Sow seed in late Summer, in beds, for transplanting, or in rows, thinning later in the row. The foliage is abundant, and sufficient space must be allowed between plants. Cultivate like Cabbage.

1 oz. seed will give 2,500 to 3,000 plants.

NORTH CAROLINA SHORT STEM.—Has a very short stem, with large spreading leaves, very hardy and yields good returns even with the most careless cultivation. **Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.**

TRUE GEORGIA.—A well known standard sort, and the one most generally used in the South. **Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.**

IMPROVED GEORGIA WHITE, or CABBAGE.—So called on account of its close bunching habit, and close resemblance to cabbage. Extremely hardy, and grows on the poorest soils. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.**

As a matter of business principle, large quantities are entitled to special prices. If you are a user of large quantities, send us a list of your requirements, and we will be pleased to quote you special prices.

ACCLIMATED STRAINS

CORN

FREE FROM DISEASES

A pint of Corn weighs 1 Lb.; a quart 2 Lbs. See Parcels Post Table on Page 5 for rates.

CULTURE.—A rich, warm, alluvial soil is best, but good sweet corn can be raised on any ordinary land, if deep and thoroughly worked before planting. Sweet Corn is very tender, and should not be planted too early. Plant in rows about 4 feet apart, and 16 to 18 inches apart in the row. Cultivate frequently and thoroughly, but shallow, until tassels appear.

1 qt. will plant 200 hills, 10 to 12 qts. an acre.

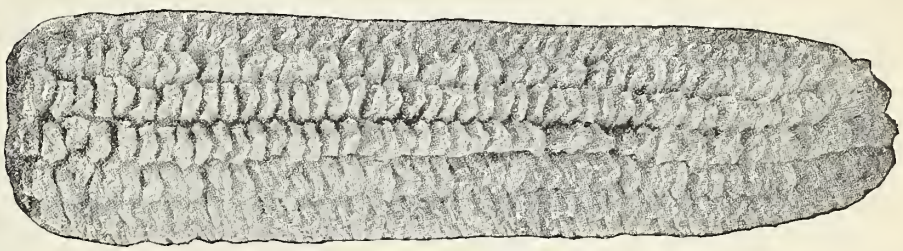
SWEET, or TABLE VARIETIES

MAMMOTH WHITE CORY.—One of the best extra early varieties. The ears are twelve rowed, white cobbed, and covered with large white grains of fine quality. **Pkt., 5c; pt., 15c; qt., 30c; pk., $1.50; bu., $5.00.**

EARLY EVERGREEN.—Comes into condition for use 10 to 12 days earlier than Stowell's, and remains fit for use just as long. The stalks grow 6½ to 7 feet high. Ears are about 7 inches long, with 14 to 20 irregular rows of pure white, deep, luscious and tender grains. **Pkt., 5c; pt., 15c; qt., 30c; pk., $1.50; bu., $4.50.**

We offer no confusing discounts, all goods being quoted at lowest net price consistent with good quality.

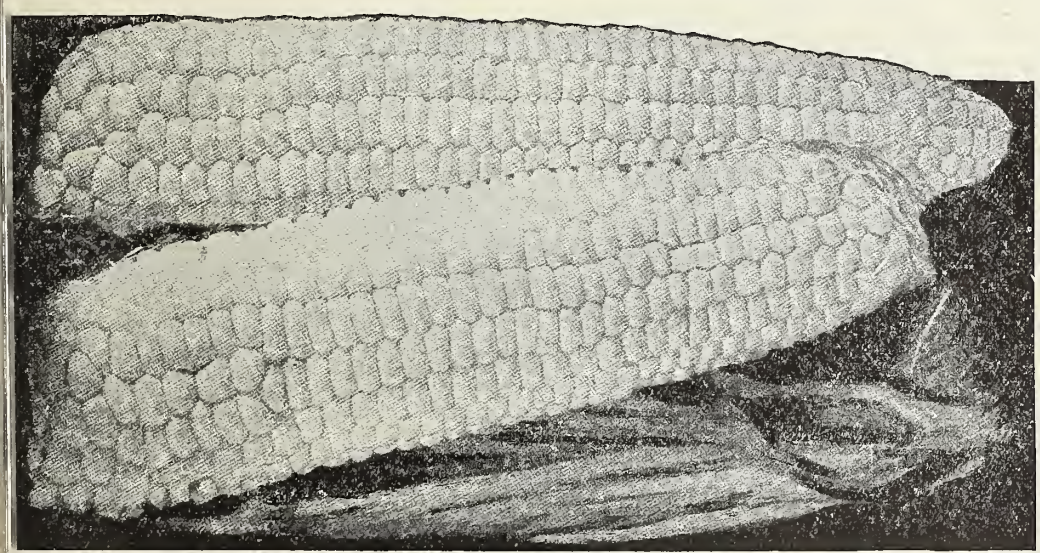
GOLDEN BANTAM.—An early variety, with golden yellow grains, very tender and of excellent quality. Very much esteemed for private gardens. The ears are eight-rowed, 6 to 7 inches long, and of medium size. Stalks grow 4 to 5 feet high. Our stock has been carefully selected for several years, and will be found decidedly superior to much that is offered. **Pkt., 5c; pt., 15c; qt., 30c; pk., $1.50; bu., $4.50.**



Early Evergreen Corn.

BLACK MEXICAN.—Very sweet and early, of good size, and a good yielder. The ripe grain is black, or bluish black, but cooks remarkably white. The stalks are 6 to 6½ feet high. Ears are about 8 inches long, usually eight rowed. **Pkt., 5c; pt., 15c; qt., 25c; pk., $1.25; bu., $4.50.**

COUNTRY GENTLEMAN.—The sweetest of all, and the variety most used where quality is the deciding feature. The stalks are 6 to 7 feet high, with ears 7 to 9 inches long, usually 3 to 4 to stalk, with small white cob. Excellent for canning, as well as the market or home garden. **Pkt., 5c; pt., 20c; qt., 35c; pk., $1.50; bu., $5.00.**



Stowell's Evergreen.

STOWELL'S EVERGREEN.—The standard main crop variety. Makes good sized ears, with very deep grains, and remains in green state longer than any other variety. The stalks are 7 to 7½ feet high. The ears are 7 to 8 inches long, 14 to 20 rowed. Our stock is very carefully selected and grown, to avoid any tendency to deterioration. **Pkt., 5c; pt., 15c; qt., 25c; pk., $1.25; bu., $4.50.**

PREMO.—A 60-day corn, superior to most of the early varieties in size, quality and yield. **Pkt. 5c; pt. 15c; qt. 25c; pk. $1.50; bu. $5.00.**

POP-CORN

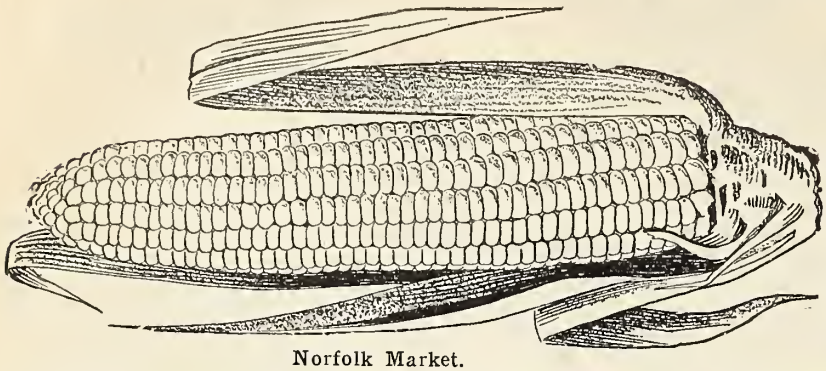
QUEEN'S GOLDEN.—Large eared. Handsome yellow. Grains are large and exceedingly tender. **Lb., 15c; 10 lbs., $1.00; 100 lbs., $8.00.**

MAPLEDALE PROLIFIC.—Very prolifiic, and bears large ears. Pops pure white, and is of excellent quality. **Lb., 15c; 10 lbs., $1.00; 100 lbs., $8.00.**

RICE.—Probably the most popular sort. The quality leaves nothing to be desired. **Lb., 10c; 10 lbs., 60c; 100 lbs., $5.50.**

You can't beat Williams' Seeds anywhere, at any price.

GARDEN VARIETIES



Norfolk Market.

EXTRA EARLY ADAMS.—Very early, extremely hardy, and extensively used for a first early corn in the South. The stalks are about 4 feet high, with small tassels. The ears are short, 12 to 14 rowed, and very full. The grains are smooth and of fair quality only, its extreme earliness alone making it desirable. **Pkt., 5c; pt., 10c; qt., 15c; pk., 85c; bu., $3.00.**

EARLY ADAMS, or BURLINGTON.—Similar to above, but later, and making larger ears. The stalks are 6 feet high, ears 8 inches long, 12 to 14 rowed. A good early field variety, and once very popular, though now supplanted in large measure by our Norfolk Market. **Pkt., 5c; pt., 10c; qt., 15c; pk., 75c; bu., $2.50.**

NORFOLK MARKET.—The most popular kind among our market gardeners. Very hardy, and has ready sale either in green state or matured. The ears are about 8 inches long, 14 to 16 rowed, and well filled. The grains are plump and milky when green, of exceptional quality. Our stock is absolutely true to type and of first-class quality, and our customers need have no fear of this, irrespective of warnings to the contrary. **Pkt., 5c; pt., 10c; qt., 15c; pk., 85c; bu., $3.00.**

FIELD CORN, see under Field Seeds.

TRUCKERS' FAVORITE.—For a second early, to follow the Early Adams, or for planting late to mature early, this is a good sort. A white corn, with good depth of grain, tender and sweet, and of good size for roasting. **Pkt., 5c; pt., 10c; qt., 15c; pk., 85c; bu., $3.00.**

CRESS

CULTURE.—One ounce is sufficient for 100 feet of dril. Best sown at intervals of ten days to two weeks, in drills 8 inches apart, as Cress runs to seed very quickly.

IMPROVED LARGE LEAVED WATER.—Grows either in water or on moist land. Plants need no culture. **Pkt. 10c; oz. 25c; ¼ lb. 85c; 1 lb. $3.00.**

CURLED or PEPPER GRASS.—Plant is of compact dwarf growth, with very much frilled leaves. **Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c.**

True Water.

EGG-PLANT

Our stocks are grown especially for us, in New Jersey. Our growing crops are given careful personal inspection, and all off-types and bushes which are not prolific are rogued out. Hence we can offer you the stock with all confidence in its trueness to type and superb bearing qualities.

Black Beauty.

CULTURE.—The seed are sown in hot-beds from the 5th to the 25th of January. The young plants are very delicate, and require very careful attention to prevent set-back from getting chilled. When the plants are 2 to 3 inches high, transplant either to another bed, or to baskets, as for early Cucumbers and Cantaloupes, these baskets being so constructed that when the plants are ready to set in the open field the box can be torn off without disturbing the roots. Prune up the leaves to 3 or 4 from top, to aid in stockiness of plant. Transplant to open field after all danger of frost is over and the weather is permanently warm, setting in rows 4½ feet apart and 3 feet apart in the row. The ground should be richly manured, and kept well cultivated. Potato bugs are very fond of the young plants, and every care should be taken to keep them off.

One ounce seed will give 800 to 1,000 plants.

For cut-worm, use poisoned bran or poisoned cottonseed meal. For the Potato bug, hand-picking is best.

WILLIAMS' IMPROVED BLACK BEAUTY.—The best variety of all. Rich dark purple in color, large and very symmetrical, and matures the fruit quicker than other varieties. The fruit is entirely spineless, and holds its color for a long time. Our strain in competition with others among the largest growers of Egg-Plant in our section, has won for us their entire business. "Ask the men who grow them." **Pkt., 10c; oz., 35c; ½ lb., $2.50; 1 lb., $4.00.**

IMPROVED LARGE PURPLE.—Early, productive, and of good quality. The fruit are large, oblong shaped, and of dark purple color. **Pkt., 10c; oz., 25c; ½ lb., $1.85; 1 lb., $3.50.**

FLORIDA HIGH BUSH.—The plant are large and high, usually bearing the fruits well off the ground. The fruit is medium sized, pear-shaped, and purple in color. **Pkt., 10c; oz., 35c; ½ lb., $2.25; lb. $3.50.**

GENUINE
TRUE-TO-NAME
PROLIFIC
STRAINS

CUCUMBER

STRONG
IN VITALITY
HIGH
IN GERMINATION

See Parcels Post Table on Page 5 for rates.

We are very proud of our stocks of Cucumber. We have studied very carefully the wants of our trade in this line, and in producing our strains have bent all our efforts to getting just what was needed, and that we have succeeded pretty well in doing so is testified by our repeat orders from our customers each year. Our stocks are of strong vitality and high germinating power. They are absolutely true to name, and when you order a certain variety from us, you can rest assured of getting just that variety, and not a grand mixture of all sorts.

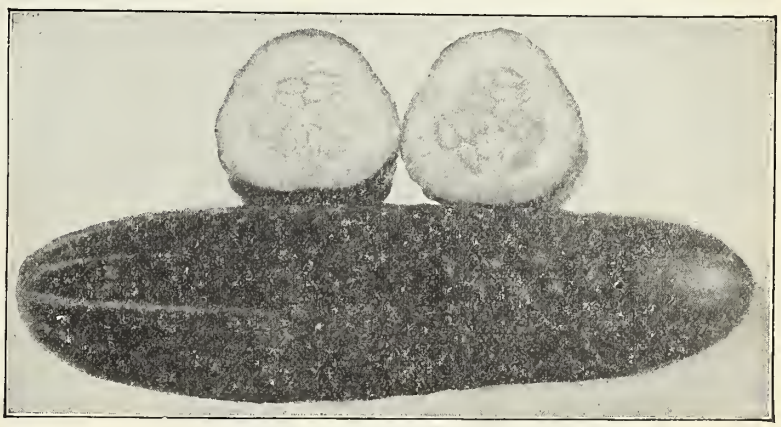
For shipping, Williams' Perfected White Spine, Success, or Improved White Spine. For the home garden, Success or Davis Perfect. Cumberland, Perfected Jersey Pickle, and Gherkin for pickle.

CULTURE.—Cucumbers do best in rich loamy soil, and an application of well rotted manure will materially aid their productiveness. Very early Cucumbers can be gotten by planting seed in boxes or baskets, like Berry baskets, and placing these in hot-beds, so that by the time it is safe to risk them outdoors, the plants will be well established. A good many of our customers, for early planting, drill them in rows alongside Garden Peas, the vines of the Peas affording protection to the young plants, and the Peas are harvested and the vines cut out of the way before the Cucumber vines begin to run. For main crop outdoor planting, sow either in hills or drills as soon as all danger of frost is over, thinning later as desired. When planted in hills, put 10 to 12 seeds to hill, and have hills 4 to 6 feet apart each way. Every precaution should be taken to have the plants free of insects. When the vines begin bearing, the fruit should be pulled, whether wanted or not, else the vines will stop bearing. As "Blight" is somewhat prevalent in our section, the vines should be kept sprayed with Bordeaux Mixture. Our preparation of Arsenite of Zinc combined with Bordeaux Mixture is an excellent blight preventative, as well as insect destroyer.

One ounce seed is sufficient for 50 hills, 3 to 4 pounds to acre in hills, 10 to 12 pounds in drills.

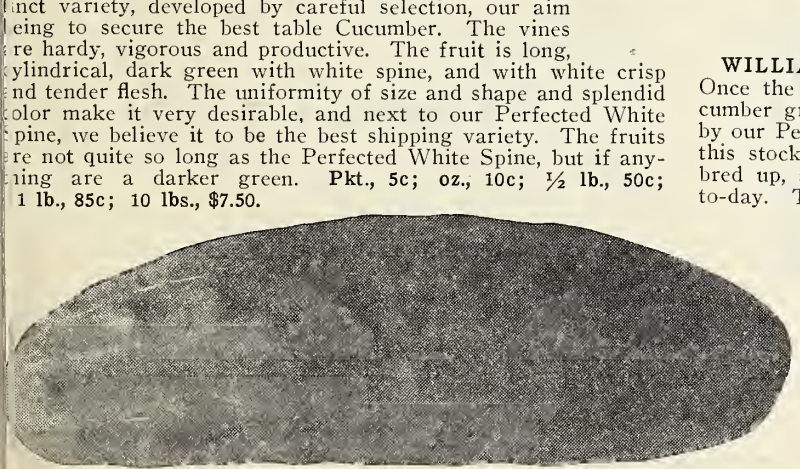
For the striped beetle, dust with air slacked lime or sifted ashes mixed with fine road dust, or spray with Arsenite of Zinc. For blight, spray with Bordeaux Mixture. We recommend spraying with our preparation of Arsenite of Zinc combined with Bordeaux Mixture, thus taking care of both in one operation.

WILLIAMS' PERFECTED WHITE SPINE.—This grand new variety has met with such enthusiastic success wherever grown during the last few years, that we are fully inclined to agree with our customers' opinion that it "has them all beaten." Recognizing that so many strains of the once most popular Arlington White Spine were deteriorating, we set to work to remedy this defect by crossing it with other varieties, the result being this variety, which we know is right. The vine is extraordinarily hardy and disease resistant, and in prolificness and uniformity of color and shape of fruit, outclasses all other varieties. The fruits are uniformly long and symmetrical, and very dark green, retaining the color longer than other sorts. We are firmly of the opinion that for an early, continuous bearing, color-retaining shipping Cucumber, there is no other strain on the market to compare with this. **Pkt., 5c; oz., 10c; ½ lb., 50c; 1 lb., 85c; 10 lbs., $7.50.**



Williams' Success Cucumber.

WILLIAMS' SUCCESS.—An entirely new and distinct variety, developed by careful selection, our aim being to secure the best table Cucumber. The vines are hardy, vigorous and productive. The fruit is long, cylindrical, dark green with white spine, and with white crisp and tender flesh. The uniformity of size and shape and splendid color make it very desirable, and next to our Perfected White Spine, we believe it to be the best shipping variety. The fruits are not quite so long as the Perfected White Spine, but if anything are a darker green. **Pkt., 5c; oz., 10c; ½ lb., 50c; 1 lb., 85c; 10 lbs., $7.50.**



Klondyke Cucumber.

WILLIAMS' IMPROVED ARLINGTON WHITE SPINE. Once the most popular and practically the only shipping Cucumber grown, this is being supplanted to a great extent now by our Perfected White Spine, though some growers still prefer this stock. Our strain of this old favorite has been carefully bred up, and we believe is far ahead of most on the market to-day. The vines are very vigorous and hardy, and set fruit in great profusion. The young fruit is crisp and tender, symmetrical and straight, and dark green in color, holding its color well. **Pkt., 5c; oz., 10c; ½ lb., 35c; 1 lb., 60c; 10 lbs., $5.00.**

KLONDYKE.—A medium early white variety of handsome dark green color. The fruits average 6 to 7 inches in length, with blunt ends, and about 2 inches thick. Its extremely prolific bearing qualities, hardiness and earliness make it a very desirable sort. Also makes an excellent pickling sort, when small. **Pkt., 5c; oz., 10c; ½ lb., 40c; 1 lb., 75c; 10 lbs., $7.00.**

DAVIS PERFECT.—A variety very highly recommended by some seedsmen, but which we have not found, from our tests, to be worthy of such praise. The vines are extremely vigorous and very hardy, and bear fruit which is slightly longer than the White Spine, dark green in color, tipped with white, and holding its color well. We find it to be a rather shy yielder, however, and for this reason cannot recommend it as highly as some other varieties, as for instance our Perfected White Spine. Our strain of this variety is the equal of any on the market, but we call your attention to the results of our tests with it. **Pkt., 5c; oz., 10c; ½ lb., 45c; 1 lb., 75c; 10 lbs., $7.00.**

EARLY FORTUNE.—A fine selection of the White Spine type, of recent introduction and one which on account of its earliness, fine shape, dark glossy green color, and prolific bearing qualities, is proving very popular, especially in the South. Our strain is from the originator and is absolutely true to name and type. **Pkt. 5c; oz. 10c; ½ lb. 40c; lb. 75c; 10 lbs. $7.00.**

JAPANESE CLIMBING.—A climbing variety, for use where space is limited. The fruit is cylindrical in shape, and of excellent quality, either for table use, or for pickling. **Pkt., 10c; oz., 20c; ½ lb., $1.00; 1 lb., $1.75.**

IMPROVED LONG GREEN.—A second early variety, which bears very long fruits. The vines are vigorous and wonderfully productive, setting an abundance of very long fruits, 12 to 16 inches long, slender, and of uniformly dark green color. This variety is very popular in the far South, especially in Georgia and Florida, though for our immediate section, it is not so suitable, the fruit being too large. We offer a very carefully selected strain, right in every respect. **Pkt., 5c; oz., 10c; ¼ lb., 40c; 1 lb., 75c; 10 lbs., $7.00.**

CUMBERLAND.—Especially valuable for pickles, but also an excellent table sort. Makes long symmetrical dark green fruits densely covered with warts. **Pkt., 5c; oz., 10c; ½ lb., 35c; 1 lb., 60c; 10 lbs., $5.50.**

PERFECTED JERSEY PICKLE.—Greatly valued for pickling. The vines are heavy and continuous bearers, and fruit is very crisp and tender. **Pkt., 5c; oz., 10c; ½ lb., 40c; 1 lb., 75c; 10 lbs., $7.00.**

WEST INDIA GHERKIN, or BURR.—A small, oval shaped prickly fruited sort, quite distinct from all others, and grown exclusively for pickling. **Pkt. 5c; oz. 15c; ½ lb. 85c; 1 lb. $1.50**

DANDELION

CULTURE.—One ounce is sufficient for 100 feet of drill. Sow either in Spring or Summer, in drills 18 inches apart. Cultivate well, but do not cut until following Spring.

CULTIVATED, or FRENCH COMMON.—Very early and a vigorous grower. A decided improvement on the Wild variety, with broader leaves. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., $1.50.**

IMPROVED THICK LEAF.—Very thick leaf, and deep green color. An early maturer. **Pkt., 10c; oz., 35c; ¼ lb. $1.25; 1 lb., $4.00.**

ENDIVE

CULTURE.—One ounce will produce about 2,000 plants, and is sufficient for 70 feet of drill. For early crop, sow middle of March, and for late crops, in July and August. Sow with drills 12 inches apart, and thin later to 12 inches in the row. When leaves are about 6 to 8 inches, tie together at top, and leave 2 or 3 weeks for blanching.

EVER WHITE CURLED.—Plants are moderately dense, with divided leaves, light yellowish green in color. Blanches very readily to creamy white. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., $1.00.**

MAMMOTH GREEN CURLED.—A hardy, vigorous growing variety, with deep green leaves, crisp, tufty, and full. **Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. $1.00.**

Green Curled Endive.

MUSTARD

CULTURE.—One ounce is sufficient for 75-100 feet of drill. Sow either in Spring or Fall, in rows 12-18 inches apart, thinning later to about 6 inches in the row. Cultivate same as Turnip Salad.

Southern Giant Curled Mustard.

WHITE ENGLISH.—Leaves are rather small and smooth and of medium dark green color, Plant is a rapid grower. **Oz. 5c; ¼ lb., 15c; 1 lb., 50c.**

SOUTHERN GIANT CURLED.—Leaves are large, light green with yellowish tinge, much crimped and frilled at the edges. Very succulent, pungent, and of sweet flavor. **Oz., 5c; ¼ lb., 15c; 1 lb., 50c.**

CHINESE.—Leaves are very broad and crimped. Is ready for use within five or six weeks after planting. **Oz., 5c; ¼ lb., 15c; 1 lb., 50c.**

MUSHROOM SPAWN

Many people labor under the mistaken idea that mushroom growing is very difficult. They are easily grown in cellars, under sheds, in hot beds, or sometimes in the open. Full cultural directions cannot be given here, but we refer you to any of the many treatises thereon. After the bed is made up as per directions, holes are made in same about two inches apart and in these holes pieces of the spawn bricks are put in, then refill the holes, and allow time for the spawn to spread through the entire bed. It is very essential that the bed not be allowed to dry out, and darkness is desirable, hence they generally do better in cellars . English, **1 lb., 20c; 10 lbs., $1.75.**

HARDY COLD-RESISTANT STOCKS

KALE

THE BEST STRAINS ON EARTH

Something else of which we are particularly proud. Our customers all tell us that we have just the right strains, and when they send in for their supply each year, they always specify "the same sort you gave us last year." That's the final test, after all, to be able to absolutely satisfy your trade. We have several customers, to each of whom we sell annually from 500 to 1,000 pounds of Kale, and they are so well satisfied with our stock that we don't believe any one else could give them their seed. They know our stock is right, and they simply don't care to experiment. Our stocks are grown for us each year from our own stock seed, and our grower has had it very thoroughly impressed on him that any sign of off-types in the fields must be eliminated, and only seed saved from those plants which show absolutely true to type and right in every way.

CULTURE.—Scotch Kale should be sown from the latter part of July to last of August, Siberian Kale from middle of August to last of September. Heavy manuring is necessary to make a good crop of Kale, and whenever plants show signs of yellowing, a liberal top dressing of guano should be given. Sow in rows from 2 to 3 feet apart, thinning later to 6 or 8 inches in the row. Cultivate like Cabbage. Spring or Smooth Kale can be sown either in Fall or Spring, and either broadcast or in drills. It is a very rapid grower, and to insure always having tender, should be sown at intervals of about ten days.

1 oz. seed is sufficient for 75 to 100 feet of drill, 3 to 4 pounds to the acre.

Williams' Dwarf Green Curled Scotch Kale.

WILLIAMS' DWARF GREEN CURLED SCOTCH KALE.—An improved strain, developed from careful study of the wants of our trade. It is unquestionably exactly what they want, and we gladly welcome comparison with the various strains on the market. The plant is very dwarf, and is of compact growth, hugging the ground closely, and spreading so as to meet in the rows. The leaves are of bright green color, beautifully curled, hard and compact, the whole plant resembling a bunch of moss. Our strain is very hardy, resisting cold weather better than most sorts. Though not of so fine quality for home use as the Siberian, it stands shipping better, and is a heavier yielder, and for these reasons is the variety almost exclusively grown for shipping purposes. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 65c; 10 lbs., $6.00.**

WILLIAMS' CURLED SIBERIAN, or BLUE.—Known in some sections as German Greens. A fast grower, and a very hardy plant, and is especially valuable on account of its rapid growth in the Spring. Very tender, and much more esteemed for family use than the Scotch. The leaves are large and comparatively plain in the center, but heavily curled on the edges. **Oz., 5c; ½ lb., 30c; 1 lb., 50c; 10 lbs., $4.50.**

SLOW SEEDING SIBERIAN.—Similar to above, and a development from it, the result being a variety that will stand longer than any other in the Spring without bolting to seed. **Pkt., 5c; oz., 10c; ½ lb., 35c; 1 lb., 60c; 10 lbs., $5.00.**

SPRING, or SMOOTH KALE.—A hardy, quick growing, smooth leaved variety. The best for Spring sowing, but also largely sown in the Fall, as it makes greens earlier than the Winter varieties. It has no value as a shipping sort, but there is always a good local market. **Oz. 5c; ½ lb. 20c; lb. 30c; 10 lb. $2.50.**

AMERICAN FLAG.—A strong quick grower, of mild flavor, but inferior to Carentan. One of the best for Fall and early Winter use. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., $1.25.**

LEEK

CULTURE.—1 oz. will produce about 1,000 plants, and is sufficient for 150 feet of drill. Sow in February or March, and transplant when plants are about 6 inches high, in rows 1 foot apart, and about 9 inches between plants. Earth up gradually, as the plants grow, so as to insure blanching of the roots.

MONSTROUS CARENTAN.—The largest variety, often 3 inches in diameter. Very white, and tender, and of mild and agreeable flavor. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., $1.50.**

KOHL-RABI

Early White Vienna.

CULTURE.—One ounce of seed will produce 1,000 to 1,500 plants, and is sufficient for 150 feet of drill. Sow in rows about 2 feet apart, in early Spring, about the same time as for early Turnips. Thin out and work same as for Turnips or Rutabagas.

EARLY WHITE VIENNA.—Extremely early, with very small tops. Flesh is white and tender, and is of best quality if used when about 2 inches in diameter. The best variety for forcing or for outdoor crop. **Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., $2.00.**

FRENCH OR AMERICAN GROWN STOCKS

LETTUCE

NO BETTER STRAINS KNOWN

Most of our seed are grown for us in California. Our grower there we have found to be very careful and entirely reliable, and our stocks grown by him have proven so good that we have him grow a good proportion of our seeds for us. Some of our customers, however, believing that French seed will give plants which will stand the Winter better, insist on having French seed, and to such as prefer them, we offer stocks grown by the foremost house in that country, stocks which are strictly O. K. Personally, we believe California grown seed, which are grown for us each year from French stock seed, to be the equal of any. The different varieties are all absolutely true to type, of high vitality and strong germinating qualities.

For forcing, Big Boston; for shipping, Big Boston, California Cream Butter, Hanson, or Cos. For the private garden, May King, Salamander, or Big Boston

CULTURE.—Lettuce does best in rich land, and the land should be properly prepared by heavy manuring and thorough cultivation. For crop for market in November and December, the seed should be sown late in July and August. For Spring crop, sow seed from last of September to middle of October, in well made and well protected beds, transplanting to open ground in November or as late as December. Protection during the Winter months is absolutely necessary, and if no natural protection is afforded, cover lightly with a little straw. As soon as the ground can be worked in the Spring without injury to the plants, give an application of fertilizer.

One ounce of seed will give 3,000 plants, and is sufficient for 100 feet of drill, 5 to 6 pounds for an acre.

WILLIAMS' IMPROVED BIG BOSTON.—The most desirable variety, either for forcing or open ground planting, and more largely used for market than any other variety. It produces during all seasons, under ordinarily favorable conditions, splendid large buttery yellow heads, packed with thoroughly blanched leaves, crisp, tender and sweet. Our strains are absolutely true to type, and we can recommend without hesitancy. We offer either French or California grown seed. We really cannot see any difference in the stocks, and always, unless otherwise specified will furnish American stock on orders. **French. Pkt., 5c; oz., 15c; ½ lb., 85c; 1 lb., $1.50. California. Pkt., 5c; oz., 10c; ½ lb., 60c; 1 lb., $1.00.**

WILLIAMS' MAY KING.—A new early head lettuce, handsome, extremely early, and with very compact head. The color is light yellowish green, tinged with reddish brown when mature. Exceptionally early out of doors. A splendid variety for the home garden, and very largely used for forcing. **Pkt., 5c; oz., 10c; ½ lb., 60c; 1 lb., $1.00.**

CALIFORNIA GIANT.—A selection from the Big Boston. Of good size, firm and symmetrical, and has a great advantage over the other varieties in the whiteness of the head. This variety is meeting with gratifying success wherever used, and we recommend its larger trial. **Pkt., 5c; oz., 10c; ½ lb., 60c; 1 lb., $1.00.**

Big Boston Lettuce.

CALIFORNIA CREAM BUTTER.—Good butter lettuce, with good sized round solid heads, rich light yellow in color, thick, tender and buttery. Recommended for Spring and Summer use. **Pkt., 5c; oz., 10c; ½ lb., 60c; 1 lb., $1.00.**

HANSON.—A very desirable late Summer variety. Plant is very compact, and forms a large Cabbage like head, weighing 2-3 lbs., each. The outer leaves are bright yellowish green, inner leaves white. This variety stands Summer well. **Pkt., 5c; oz., 10c; ½ lb., 60c; 1 lb., $1.00.**

GRAND RAPIDS FORCING.—Recognized as the standard forcing variety, but is not a head lettuce. The plant is upright, and forms a loose head of large green leaves, crimpled at the edges. A good sort for shipping, as it does not break easily, or wilt. **Pkt., 5c; oz., 10c; ½ lb., 60c; 1 lb., $1.00.**

PARIS WHITE COS.—Cos lettuce differs entirely in shape from other varieties. Has narrow long spoon shaped heads, 8-9 inches in height, 5-6 inches in diameter. To get best results, it must be tied up, so that the inner leaves can blanch. **Pkt., 5c; oz., 15c; ½ lb., 75c; 1 lb., $1.25.**

WILLIAMS' IMPROVED SALAMANDER.—Makes a large compact light green head, of excellent quality, withstanding hot weather better than other varieties. It is one of the most satisfactory heading lettuces for growing outside. Leaves are broad, thick, somewhat crumpled, and closely overlapping, so that the inner ones are very finely blanched. **Pkt., 5c; oz., 10c; ½ lb., 60c; 1 lb., $1.00.**

BLACK SEEDED SIMPSON.—A very popular sort among market gardeners. It forms large loose heads, with thin, very tender leaves of fine quality, golden yellow to almost white in color. Fine for forcing and early planting out of doors. Uniformly attractive, and remains of excellent quality for a long time. **Pkt., 5c; oz., 10c; ½ lb., 60c 1 lb., $1.00.**

EARLY CURLED SIMPSON.—White seeded. Forms a close compact mass of curly yellowish green leaves, slightly frilled, crisp, tender and sweet. Good for cold frames, or early out of doors planting. **Pkt., 5c; oz., 10c; ½ lb., 60c; 1 lb., $1.00.**

TRIANON COS.—The Romaine lettuce of the French. Similar to White Cos. The leaves are upright in growth, and very crisp. **Pkt., 5c; oz., 15c; ½ lb., 75c; 1 lb., $1.25.**

MUSKMELON OR CANTALOUPE

Our seed are saved only from melons especially selected on account of trueness to type, size, marking, etc. Our growers is grower for seed only, and does not ship melons to market from our fields and then save seed from the left-overs. All off-types are rogued out, as well as any which do not come strictly up to requirements as to uniformity of size, shape, markings, and prolificness. Consequently, we know our seed will give you the kind of crop you want. Too many inferior grades of seed are on the market today, which are saved in any old way, from all sorts of melons. Any melon grower knows that he could not grow a field of melons, cultivate them properly, throw away all melons which did not come up to strict requirements as to size, shape, markings, etc., then save and cure the seed properly from only the perfect ones, and sell them for any 25 to 30 cents a pound, when you get only a small fraction of a pound of seed from each melon. Would you try it? Then certainly you can't expect to buy good seed for any such price.

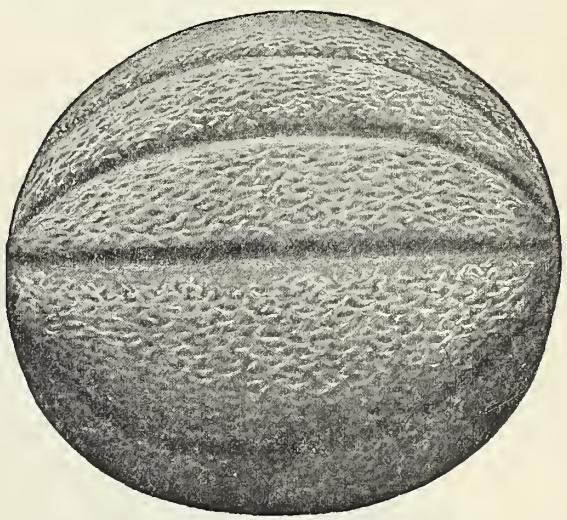
CULTURE.—Melons thrive best in light rich soil. For the young plants rich earth is better than manure, and if manure is used, be sure it is thoroughly rotted and mixed with the soil. For very early crop, plant the seed in paper boxes or pots, such as used for Egg Plants, using well pulverized light loose soil, and putting in cold frames under glass. Plant in this way from the latter part of February to the middle of March, putting 4-5 seed to the box, thinning later to 2 plants to box, and transplanting outdoors after all danger of frost in rows 4½ feet apart, and 2½ to 3 feet apart in the row. Regular outdoor plantings are made after all danger of frost is over, in hills, putting 8 to 10 seed to hill, and thinning only after plants attain a good size. Cultivate shallow and frequently, as long as possible. Spraying for insects and for Blight is necessary.
1 Oz., seed is sufficient for 40 to 50 hills, 2-3 lbs., for an acre.

GREEN-FLESHED VARIETIES

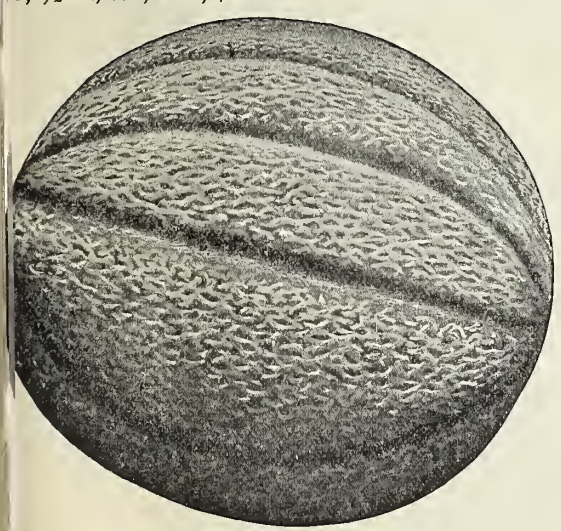
For shipping, Emerald Gem, New Knight, New Rival, Osage. For the private garden, Norfolk Button, Jenny Lind, New Rival, New Osage.
For bugs, dust with sifted ashes mixed with fine road dust, or Air slaked Lime. For Blight, spray with Bordeaux Mixture, repeating every two weeks.

WILLIAMS' NEW RIVAL.—A selected and improved strain of the Rocky Ford type, with thick green flesh, shading to orange at the center. Oblong in shape, well ribbed and netted. Of delicious flavor, fine appearance, and a good shipper. Trials of this melon alongside other varieties have convinced us of its superior qualities, both from the standpoint of an eating melon and a shipping sort, and we can unhesitatingly recommend it. **Pkt., 5c; oz., 15c; ½ lb., 75c; 1 lb., $1.25.**

WILLIAMS' NEW KNIGHT.—Another development from the Rocky Ford, earlier, larger, and much more productive. Next to our New Rival, which it resembles very much, this is undoubtedly one of the best green fleshed melons. Very sweet, and with delicious aroma. The skin is of light golden hue, and the flesh is bright green, ripening close to the rind. This variety, even when all others fail, almost invariably produces a fine sweet fruit, and we have yet to hear anything but praise for it. Our strain is simply fine, and we recommend it without hesitation. **Pkt., 5c; oz., 10c; ½ lb., 60c; 1 lb., $1.00.**



Knight.



Rocky Ford Muskmelon.

WILLIAMS' ROCKY FORD, or NETTED GEM.—This famous melon is well known everywhere, and has long been the standard shipping variety. Oval in shape, slightly ribbed, and densely covered with fine netting, very uniform in size and shape and quality, and of the even size that is so desirable in a shipping melon. The flesh is green, sweet, and highly flavored. Our strain is exceptionally fine. **Pkt., 5c; oz., 10c; ½ lb., 50c; 1 lb., 85c.**

NETTED ROCK, or EDEN GEM.—Another Rocky Ford Cantaloupe, with all the good qualifications of these famous melons. The fruit is nearly round, with green skin, heavily netted and ribbed, and very uniform in size. The flesh is light green and of excellent flavor. It is a very prolific yielder, and very early. Our seed are all saved from carefully selected melons only, and are right. **Pkt., 5c; oz., 10c; ½ lb., 50c; 1 lb., 75c;**

WILLIAMS' LARGE JENNY LIND.—The vines are rather small, but are very vigorous and productive. The fruit is medium sized, somewhat flattened, heavily ribbed and netted. The flesh is green and exceptionally sweet. It is an early ripener, and very desirable as a table melon. **Pkt., 5c; oz., 10c; ½ lb., 50c; 1 lb., 85c.**

NORFOLK BUTTON, or SMALL JENNY LIND.—The earliest of all. The fruit is small, somewhat flattened, heavily netted, and very sweet in flavor. Most of the fruits have a bump on the blossom end, from which the melon derives its name. **Pkt., 5c; oz., 10c; ½ lb., 50c; 1 lb., 85c.**

ORANGE, or SALMON-FLESHED VARIETIES.

WILLIAMS' GOLD LINED ROCKY FORD.—This variety is destined, so we believe, to take first place among the orange fleshed varieties. We have tried it out for two seasons past, and have yet to find a fault with it. As early as any variety, it grows very uniform in size, is heavily netted, the vines are hardy and immensely prolific, and the flesh is simply delicious. When ready to gather, they are yet so firm, that one can almost stand on them without crushing, yet the meat will be found tender and of exceptionally fine flavor. Either as a shipping melon, or for home use, we recommend it very highly. **Pkt., 5c; oz., 20c; ½ lb., $1.25; 1 lb., $2.50.**

WILLIAMS' OSAGE, or MILLER'S CREAM.—A medium to large sized melon, of exceptional quality. The vines are vigorous and prolific, and the fruit is oval in shape, dark green in color, slightly ribbed, and partly covered with shallow grey netting. The flesh is salmon colored, thick, fine grained and of delightful flavor. While Osage, more than any other variety possibly, tends to mix, we take especial pains with our stock, and can assure you of its absolute trueness to type, with the thick, deeply colored and finely flavored flesh developed as near to perfection as possible. **Pkt., 5c; oz., 10c; ½ lb., 60c; 1 lb., $1.00.**

WILLIAMS' EMERALD GEM.—A very early, small to medium sized variety, with very vigorous and productive vines, and fruits globular, somewhat flattened, irregularly ribbed and slightly netted. The flesh is deep salmon yellow, thick, juicy and highly flavored. This variety is grown by a good many growers exclusively for the Boston market, where it always has a ready sale, and no finer strain of this popular melon has ever been offered than ours, our steadily increasing demand being eloquent endorsement. **Pkt., 5c; oz., 10c; ½ lb., 60c; 1 lb., $1.00.**

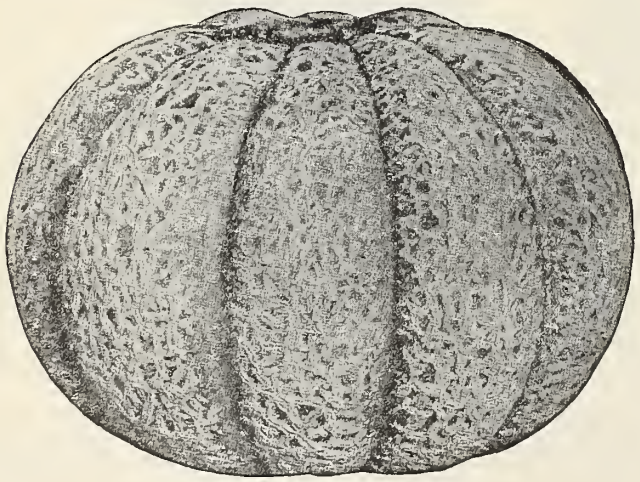
FORDHOOK.—Bears resemblance both to Emerald Gem and Jenny Lind. Dark green skin, closely netted, and similar in shape to Jenny Lind. Valuable either for market or home use. **Pkt., 5c; oz., 10c; ½ lb., 45c; 1 lb., 75 c.**

Osage Melon.

We offer no confusing discounts, all goods being quoted at lowest net price consistent with good quality.

TIP-TOP.—Large nearly round fruit, slightly ribbed, and covered with shallow netting, with light yellow skin when mature. The flesh is deep yellow, very rich and luscious. **Pkt., 5c; oz., 10c; ½ lb., 45c; 1 lb., 75c.**

BANANA.—Fruit is very large, 15 to 20 inches long, 4 to 6 inches in diameter. Skin is light yellow and smooth. Flesh is deep yellow, with odor similar to Banana, hence the name. **Pkt., 5c; oz., 10c; ½ lb., 45c; 1 lb., 75c.**



Fordhook Cantaloupe.

You can't beat Williams' Seeds anywhere, at any price.

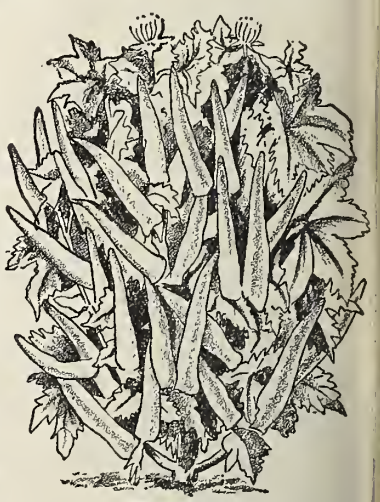
OKRA, or GUMBO

CULTURE.—One ounce is sufficient for about 75 hills, 7 to 8 lbs. to acre. Sow in Spring, not too early, in rows 3 feet apart, thinning later to about 12 inches in the row. Cultivate frequently.

PERKINS MAMMOTH POD.—Of wonderful productiveness. The plant is about 3 feet high, and very early. Pods are deep green, long, slender, slightly corrugated, and very tender. Fine for canning. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.**

WHITE VELVET.—Round white smooth pods, of extra large size, and produced in great abundance. **Pkt., 5c; oz., 10c; ¼ lb. 20c; 1 lb., 50c.**

IMPROVED DWARF PROLIFIC, or DENSITY. Of dwarf growth, but immensely productive, and continues bearing a long time. **Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c.**



White Velvet

SALSIFY, or VEGETABLE OYSTER

CULTURE.—Salsify does best in light well enriched soil which should be stirred to a good depth. Coarse and fresh manure should be avoided, as it will cause roots to grow uneven. Plant latter part of March in rows 2 to 2½ feet apart, thinning later to about 4 inches in the row. Cultivate in general like Parsnips.

One ounce is sufficient for 75 feet of drill, 5 to 6 pounds to acre.

MAMMOTH SANDWICH ISLAND.—Large and strong growing, with smooth white tapering roots, of delicate, but distinct flavor. **Pkt., 5c; oz., 10c; ¼ lb., 35c; ½ lb, 60c; 1 lb., $1.00**

SOUTHERN GROWN STOCKS

WATERMELON

PROLIFIC AND TRUE

Our stocks are Southern grown, and hence thoroughly acclimatized. Our grower is a crank on the quality of the stocks he sends out, in which statement you would agree with us if you could see him, as we have, going over his fields and selecting melons for seed. He grows for seed only, and all melons which do not come exactly up to his requirements (which are very strict), are culled out and fed to stock. They must be of fine size, and show every qualification peculiar to the variety, for him to pass on them for seed stock. Knowing his methods as we do, and having seen both his field of seed stock growing for us, as well as fields grown by our customers from this seed stock, we offer these stocks with the certain knowledge that they will prove out all we claim for them, absolutely true to type, of strong germinating power, and fine bearing qualities.

CULTURE.—Sandy land with clay subsoil, or any rich but light and well drained soil is good for melons. Plant after all danger of frost is over, in rows 8 to 10 feet apart each way, putting several seed to hill. When well started, thin out to two to hill. Cultivate lightly but frequently until vines are too long for further cultivation. If very large melons are wanted, pick off all but two to four to the vine, when small. 1 oz. seed will plant about 20 hills, 2 to 3 lbs. to an acre.

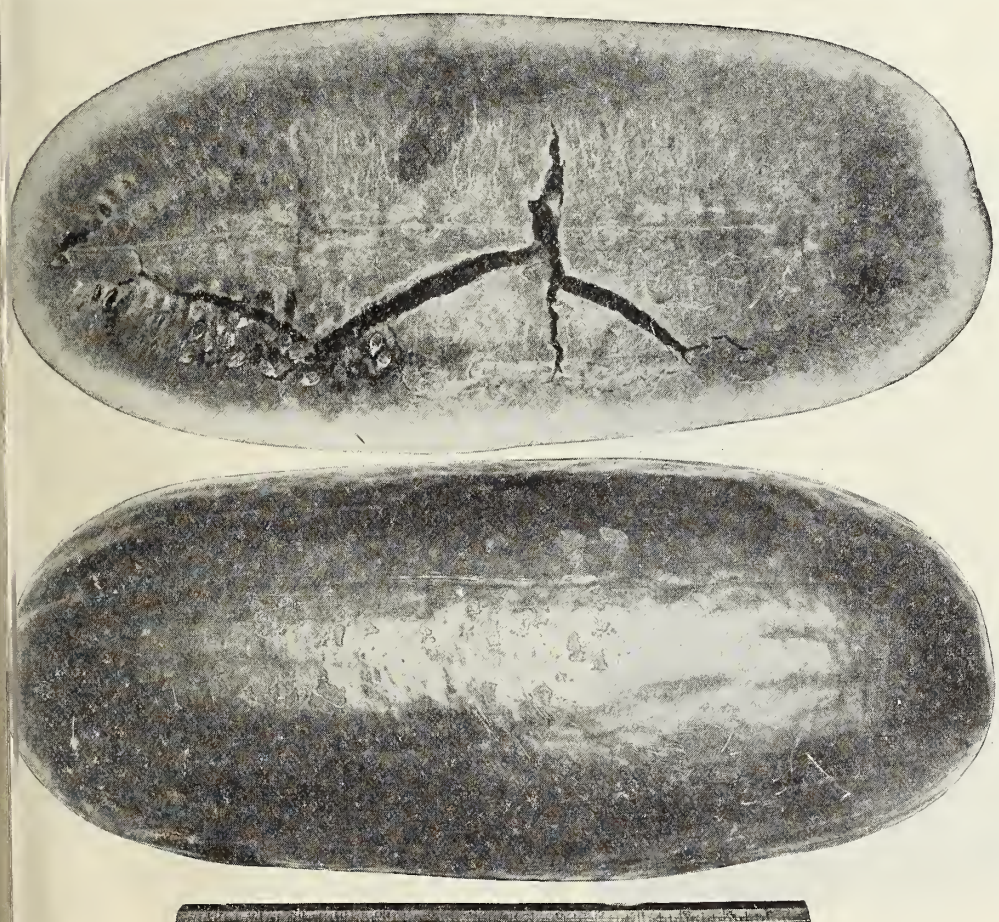
For shipping. Tom Watson, or Triumph. For private garden, Kleckley Sweet, Florida Favorite, Temple Gray.

WILLIAMS' SELECTED TOM WATSON.—This splendid melon has steadily grown in popularity until now it is practically the only one grown in this section for shipping. And we believe we can say without undue boasting that the quality of the seed we have been supplying the largest planters around here has had much to do with its increasing popularity. It is a long melon, of large size, often weighing 50 to 75 lbs. apiece, with beautiful dark green rind with fine veining and permanent gloss, and the rind is tough enough to make it an ideal shipping melon. The meat ripens close to the skin, is solid, very red in color, and of exceptionally fine flavor and quality. **Pkt., 5c; oz., 10c; ½ lb., 35c; 1 lb., 60c; 10 lbs., $5.00.**

WILLIAMS' KLECKLEY SWEET.—One of the best flavored melons, and very popular for the home market and private gardens. The rind is dark green, thin, and so tender that it will not stand shipping. The flesh is deep scarlet in color, tender, and of exceptional quality. The vines are vigorous and productive, bearing an abundance of fruits of medium to large size. This variety is without a peer for home use. **Pkt., 5c; oz., 10c; ½ lb., 35c; 1 lb., 60c.**

WILLIAMS' IMPROVED GEORGIA RATTLESNAKE.—Has always been regarded as one of the best in the South, but is now gradually being displaced by Tom Watson. The melons are long, of light green color with dark stripes, and very uniform in shape and size, with very sweet and tender flesh. We offer an absolutely reliable strain of this old favorite. **Pkt., 5c; oz., 10c; ½ lb., 35c; 1 lb., 60c;**

SWEETHEART.—A popular shipping melon of large size and good quality. Oval shape, pale green in color, with netted lines of darker shade. Flesh solid rich red, crisp and luscious. **Pkt., 5c; oz., 10c; ½ lb., 30c; 1 lb., 50c.**



Tom Watson Watermelon.

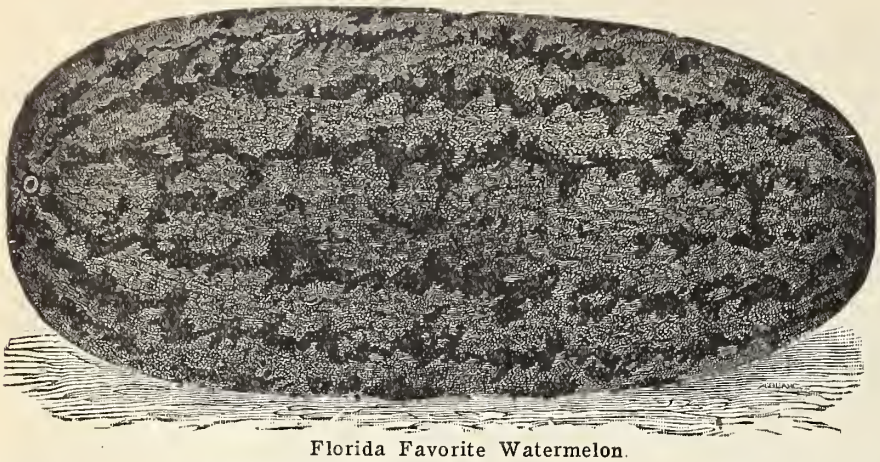
HALBERT HONEY.— Said by many to be as handsome, and as fine flavored as Kleckley Sweet, and much more productive. Has dark green, very thin rind, with meat so crisp and tender that well ripened melons split ahead of the knife when cutting. Fine for home market and garden, but with too thin rind for shipping. **Pkt., 5c; oz., 10c; ½ lb., 30c; 1 lb., 50c.**

BLACK BOULDER.—A large dark green melon, very thick in proportion to its length, and very popular where a melon of this type is preferred. **Pkt., 5c; oz., 10c; ½ lb., 30c; 1 lb., 50c.**

WILLIAMS' TEMPLE GRAY.—A very good variety, either for market or home use. Grows to a large size, stands shipping fairly well, is of extra fine appearance and fine quality. **Pkt., 5c; oz., 10c; ½ lb., 35c; 1 lb., 60c.**

EDEN.—A cross of the Kolb Gem and the Rattlesnake, combining the good shipping qualities of the Gem with the table qualities of the Rattlesnake. Still a very popular variety. **Pkt., 5c; oz., 10c; ½ lb., 30c; 1 lb., 50c.**

WILLIAMS' TRIUMPH.—Similar to Kolb Gem, except that it is darker green, and larger. Good for shipping or growing where size is the main factor. **Pkt., 5c; oz., 10c; ½ lb., 30c; 1 lb., 50c.**



Florida Favorite Watermelon.

WILLIAMS' FLORIDA FAVORITE.—A great favorite for the home garden, ripening very early. Has dark skin, with light green stripes, and exceedingly sweet and sugary flesh. Pkt., 5c; oz., 10c; ½ lb., 35c; 1 lb., 60c

MOUNTAIN SWEET.—A popular old variety, which still holds its own for growing in mountainous districts or on heavy soil. Oblong fruit. Pkt., 5c; oz., 10c; ½ lb., 30c; lb., 50c.

KOLB GEM.—Once one of the most popular shipping sorts. Large, round, and c good keeping quality, but of inferior tabl quality. Pkt., 5c; oz., 10c; ½ lb., 30c; lb., 50c.

NASTURTIUM

TALL MIXED.—Grown for ornament, and also the flowers and foliage are used for garnishing, and the young leaves and shoots for salad. The green seed pods are also largely used for pickling. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c.

We put our name on Strains of Seeds which we control, and which to our mind are of especial merit. In making up your order, pick out these sorts and you will be well re-paid.

CAREFULLY TESTED STOCKS

ONIONS

NO BETTER CAN BE HAD FROM ANY SOURCE

Onions are raised either from seed, or by putting out sets. While of course the raising from sets is much quicker, giving marketable onion in a few months, still the cheapest mode of production is from the seed. And in no crop is it more important to be sure of the quality of the seed than in Onions. However rich the soil may be, or however well worked, the difference between success and failure depends largely on the quality of the seed sown. Recognizing this fact, we are very particular in the care and selection of our stocks, and offer them with the unqualified assurance that they are of the very finest quality, true to name, strong vitality and high germination.

Williams' Prizetaker, or Spanish King Onion.

CULTURE.—Onions do best in soft dark sandy loam, if possible on land which has been well manured for a couple of years previous, rather than by trying to bring up to the proper point of fertility by applying sufficient manure just previous to sowing, as this latter course is liable to make the Onion soft. The ground should be well cultivated, and worked with tools that leave the surface compact and smooth. Sow seed in February and March, in rows 12 to inches apart, sowing very shallow. Thin later to 4 5 inches apart in the row. In sowing seed for sets, sow in February and March, in rows 9 to 12 inches apart, 4 rows to a bed, sowing very thickly, to prevent sets growing too large. The crop for sets should taken up in June, and dried for resetting in the Fa Cultivate frequently, and as long as possible.

For large Onions, 1 oz. seed is sufficient for 100 f of drill, 5 to 6 lbs. for an acre. For sets, use from to 40 lbs. to acre.

For Sets, sow White Pearl, Silverskin, and Yellow Danvers. For Large Onions, Prizetaker and Re Wethersfield.

WILLIAMS' PRIZETAKER, or SPANISH KIN An extremely handsome main crop variety, of largest size, nearly globular in form, usually w shoulder and base slightly sloping. The skin is r yellow straw color, with creamy white tender flesh exceptionally fine quality. It ripens up fine and ha keeps well, and is a very desirable variety. Pkt., oz., 15c; ½ lb., 85c; 1 lb., $1.50.

MAMMOTH SILVER KING.—One of the larg in cultivation. The skin is a beautiful silvery wh with pure white flesh, of particularly mild and pleas flavor. An early maturer. Pkt., 10c; oz., 20c; ½ $1.25; 1 lb., $2.00.

CRYSTAL WAX.—A new type of Bermuda Onion, maturing earlier than the yellow or red. Very attractive in appearance, beautiful wavy white, and of excellent quality. **Pkt., 10c; oz., 25c; ½ lb., $1.50; 1 lb., $2.50.**

WHITE QUEEN.—Identical with Extra Early White Pearl.

WILLIAMS' SILVERSKIN, or WHITE PORTUGAL.—An excellent variety for family use. The skin and flesh are pure white, and very mild in flavor. This is the variety of White Onion most largely grown for sets. **Pkt., 10c; oz., 20c; ½ lb., 85c; 1 lb., $1.50.**

WILLIAMS' YELLOW GLOBE DANVERS.—The most extensively used main crop yellow Onion, and one of the best, either for home use or for shipping. The bulbs grow medium to large size, of uniform globe shape with small neck, and ripen very evenly. The skin is rich coppery yellow, with mild creamy white crisp flesh, of excellent flavor. An excellent keeper, and a splendid shipper. It is the variety most generally grown, either for sets or for large bulbs. **Pkt., 5c; oz., 10c; ½ lb., 65c; 1 lb., $2.25.**

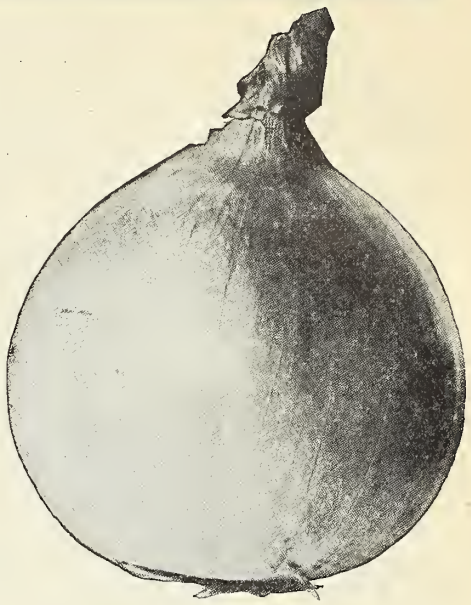
WILLIAMS' LARGE RED WETHERSFIELD.—The standard red variety, and a great favorite. The bulbs are large, flattened but thick, with deep purplish red skin, and light purplish white flesh, rather strong but of pleasant flavor. Very productive, and is a fine keeper. One of the best for poor and dry soils. **Pkt., 10c; oz., 20c; ½ lb., 85c; 1 lb., $1.50.**

WILLIAMS' EXTRA EARLY WHITE PEARL.—The quickest growing of all the white sorts. Makes large pearly white Onions, tender, mild, and of excellent flavor. The seed are sown in the Spring, and the sets put out again in the Fall. **Pkt., 10c; oz., 25c; ½ lb., $1.25; 1 lb., $2.00.**

SOUTHPORT WHITE GLOBE.—All Southport Onions command an extra price in the New York market, because of their beautiful shape and color. The skin and flesh of this variety are silvery white. **Pkt., 10c; oz., 25c; ½ lb., $1.25; 1 lb., $2.00.**

SOUTHPORT YELLOW GLOBE.—Of rich yellow color, and a good keeper. **Pkt., 5c; oz., 15c; ½ lb., 75c; 1 lb., $1.25.**

SOUTHPORT RED GLOBE.—Deep rich red in color. **Pkt., 5c; oz., 15c; ½ lb., 75c; 1 lb., $1.25.**



Southport White Globe Onion.

ONION SETS

We have grown each year, from our own stock seed, large quantities of sets. Consequently, we are in position to serve you with high-grade sets, of good quality, and strictly of the type wanted, and not badly mixed. Onion Sets should not be too large, as such sets show a greater tendency to run to seed when put out. Ours are very uniform in size, not too large or too small, and will be found just right in every respect.

CULTURE.—Rich soil and heavy fertilization are necessary for a good crop of Onions from sets, also frequent cultivation. White, Yellow, and Red Sets should be put out in early Spring, in rows 9 to 12 inches apart, and 4 to 5 inches apart in the rows, and very shallow. White Pearl Sets should be put out in the Fall. They are rapid growers, and if put out in September, will give green onions for Xmas.

One quart of average size sets is sufficient for about 40 feet of drill, 4 to 8 bushels to the acre, depending on size.

EXTRA EARLY WHITE PEARL, or WHITE QUEEN.—A very early variety, for Fall planting only. About the best flavored of all, though not a very good keeper. These sets are grown under our own personal supervision, from carefully selected stock seed, and all statements to the contrary notwithstanding, are as good as can be grown. **Pt., 10c; qt., 20c; pk., $1.90; bushel, on application.**

YELLOW GLOBE DANVERS.—The most popular main crop sort, for Spring planting. **Qt., 15c; pk., 85c; bushel, on application.**

YELLOW POTATO.—A mild yellow sort, growing in clumps. Never makes seed, but divides up from the root. **Qt., 15c; pk., 85c; bushel, on application.**

WHITE MULTIPLIER.—Each bulb produces a cluster of small onions. Considered particularly good for pickling. Very productive, and of good flavor. **Qt., 20c; pk., $1.00; bushel, on application.**

WHITE, or SILVERSKIN.—The best white onion for Spring planting. **Qt., 15c; pk., 85c; bushel, on application.**

PARSLEY

Our stocks are grown for us abroad, as from careful tests, we have found such stocks to be of stronger germination, more vigorous, and hardier in growth, than native grown stocks.

CULTURE.—Parsley succeeds best on rich mellow soil. The seed are very slow in germination, and should be soaked in warm water for a while before planting, and if, after sowing, the bed is given some protection, such as bags which can be kept moistened until the seedlings appear, a better stand will be assured. Sow either in Spring or Fall, in rows about 10 inches apart, thinning to 6 or 8 inches apart in the row.

One ounce is sufficient for 100 to 150 feet of drill, 4 to 5 lbs. to acre.

PLAIN.—Leaves are flat, deeply cut, and very dark green. Stronger in flavor than the Curled. **Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 65c.**

CHAMPION MOSS CURLED.—A fine variety, beautifully curled and crimped, and the best variety for garnishing and flavoring. **Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 75c.**

EXTRA DOUBLE CURLED.—The standard sort for outdoor culture, very highly prized by market gardeners. **Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 75c.**

Extra Double Curled.

PARSNIPS

CULTURE.—Parsnips do best on deep rich sandy soil, but will make good roots on any soil which is mellow and moderately rich. Fresh manure is apt to make the roots coarse and ill shaped. Sow seed in Spring, in drills 18 inches apart, thinning later to 6 or 7 inches in the row. Cultivate frequently. The roots can be left in the ground all Winter, and will improve in flavor thereby.

One ounce to 150 ft. drills, 4 or 5 lbs. to acre.

IMPROVED SHORT NECK HOLLOW CROWN.—A superior strain, of enlarged shape at the top, tapering abruptly to a small point. Most desirable for rich deep soil. **Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c.**

SUGAR HOLLOW CROWN, or GUERNSEY.—An old standard variety, with smooth skin, tender and well flavored. Good for table use or for stock. **Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c.**

Hollow Crown.

PEPPER

FINEST SELECTED STOCKS

GROWN IN NEW JERSEY

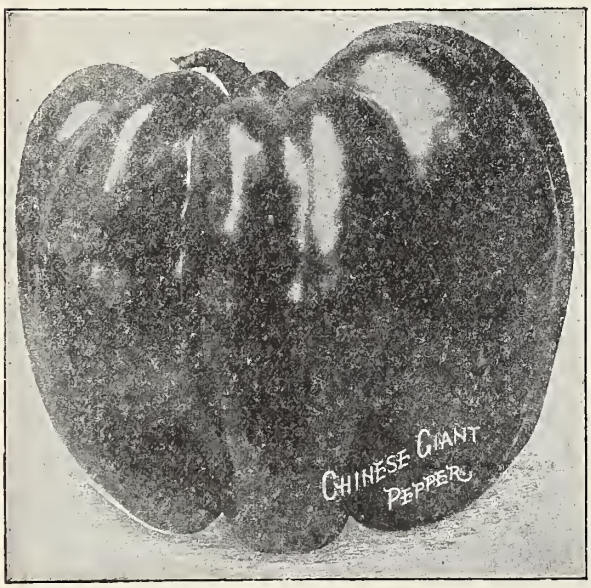
CULTURE.—Peppers do best in warm mellow soil. Sow seed in hot-bed in latter part of January, transplanting plants to open field after all danger of frost is past, in rows 3 feet apart, and 15 to 18 inches apart in the row. Cultivate frequently, and keep free from weeds. Guano, or any sort of bird manure hoed into the surface soil when plants are about 6 inches high, will increase the yield. Do not put hot varieties near mild ones, as they mix very easily.

One ounce will produce about one thousand plants.

NEAPOLITAN EARLY.—The earliest large sort, similar to Ruby King in shape, and of very attractive appearance. Bush is strong and very prolific. Especially desirable for the market gardeners' early crop. **Pkt., 10c; oz., 15c; ¼ lb.,55c; 1 lb., $2.00.**

CHINESE GIANT.—The largest variety known, often measuring 6 inches in diameter. The plant is dwarf, but vigorous and a good yielder, although rather late in maturing. The fruit is brilliantly colored, with flesh as mild and sweet as an apple. **Pkt., 10c; oz., 25c; ¼ lb., 85c; 1 lb., $2.75.**

LONG RED CAYENNE.—A well known medium early variety, with extremely strong and pungent flesh. Bears long slender twisted pods, bright red when ripe. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., $2.50.**



Chinese Giant Pepper.

LARGE BELL, or BULL NOSE.—A large early sort, ofmild flavor. Plant is vigorous and compact, ripening the fruit uniformly. Fruits are large, with thick mild flesh of excellent quality. **Pkt., 10c; oz., 15c; ¼ lb., 55c; 1 lb., $2.00.**

RUBY KING.—A fine variety, very large and attractive. Plant grows to about 2½ feet high, is vigorous and productive. Fruits are 4 to 5 inches long, bright red when ripe. One of the best for mangoes or stuffed peppers. **Pkt., 10c; oz., 15c; ¼ lb., 60c; 1 lb., $2.25.**

Write us for special prices on large quantities.

Ruby Giant Pepper.

RHUBARB, or PIE PLANT

CULTURE.—1 oz. will produce about 600 plants. Sow seed in rows about 3 feet apart early in the Spring, and set out the plants when one year old where they are to grow. Only culture needed is to keep ground free from weeds, and use plenty of manure.

MYATT'S VICTORIA.—The best variety for the South. **Pkt., 5c; oz., 15c; ½ lb., 75c; 1 lb., $1.25.**

RHUBARB ROOTS

The best way to grow Rhubarb in the South, as it is hard t make a success of it from seed. We can furnish roots fro stock in Spring. **Doz., 75c; 100, $4.50.**

All seeds which we do not grow ourselves are grown especially for us under contract in the localities best suited to produce them.

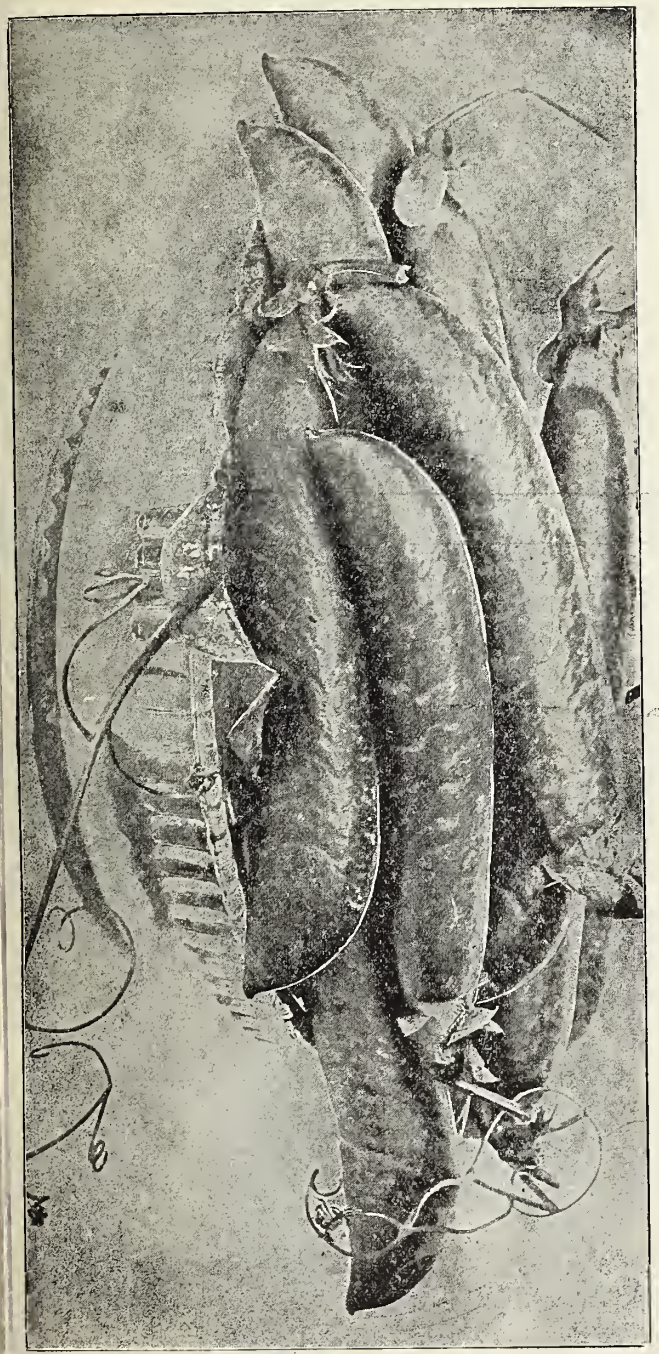
GROWN IN THE FAR NORTH

PEAS

VIGOROUS, PROLIFIC TRUE-TO-NAME STRAINS

A pint of Peas weighs 1 pound; a quart 2 pounds. See Parcels Post Table on Page 5 for rates.

We grow our Peas in the North, from stocks which we have found out by actual tests to be first class in every respect. Our growers are specialists in this line, and we are inclined to be rather boastful of our stocks, as on every occasion when we have put them into competitive trials with stocks from other sources (such tests being made by truckers, and entirely capable of verification), the results have been extremely gratifying to us. Our growings of Seed Peas run up into the thousands of bushels each year, and as our sales for delivery from this year's harvest already total up more than quadruple our sales for last year, we feel sure that our stocks have made good for us with our trade. While, of course, quality is our first, last, and most important consideration, at the same time, growing them in the quantities we do, we have reduced our cost of production to the point where we believe our prices are considerably lower than the general average. Write us for growing contract prices.



Williams' Selected Ameer.

CULTURE.—For Early Peas, a light warm soil is best, while for general crop a moderately heavy soil is recommended. Fresh manure, and very rich wet mucky soil should be avoided, as they tend to make too rank a growth of vine, to the detriment of the crop of Peas. The early varieties should be planted from the middle of January to March, while the large Wrinkled varieties, which are so liable to rot if put in cold wet ground, should not be planted before the latter part of February. Sow in rows from 2½ to 3 feet apart, depending on the varieties, covering from 1 to 1½ inches deep. Or, when intending to plant early Cucumbers in between, put in rows 4 to 5 feet apart. Peas should be cultivated frequently, but not when the vines are wet, as it is liable to cause rust. Good profits are also realized now from putting in a Fall crop of Peas, such crop being generally put in from the latter part of August to the middle of September.

One quart of small sorts is sufficient for 60 feet drill, and from 1 to 2 bushels to the acre, depending on the variety.

Extra Earlies, Alaska or Nonpareil, Ameer, First and Best. For main early crop, Thomas Laxton, Gradus. For late crop, Telephone, Champion of England. For Fall planting, Alaskas, Ameer, Prolific Early Market, Thomas Laxton. For the private garden, Gradus, Telephone, Sugar Marrow.

For the dreaded plant-louse (Aphis), spray with Fish Oil Soap, using 2 oz. to the gallon of water, and being sure to strike the vines from all sides with the spray. Begin with the first appearance of the lice.

WILLIAMS' EXTRA EARLY ALASKA, or NONPAREIL. The earliest smooth Pea in cultivation. By careful selection, we have developed a strain of this variety, unequalled in earliness and uniformity of ripening. It is strictly a single picking Pea, tremendously productive, and so hardy that it will withstand the weather when all other varieties fail. The vines are strong and vigorous, 2 to 2½ feet high, and of distinctive light green color. The pods are very uniform in ripening, straight, well filled, and remain green longer than other sorts, and while not so showy as some of the larger podded sorts, still it is an almost invaluable variety for market gardeners and canners. It is a prime favorite for very early Spring crop, and is also largely planted for Fall crop. **Pkt., 5c; pt., 15c; qt., 25c; pk., $1.50; bu., $4.50.**

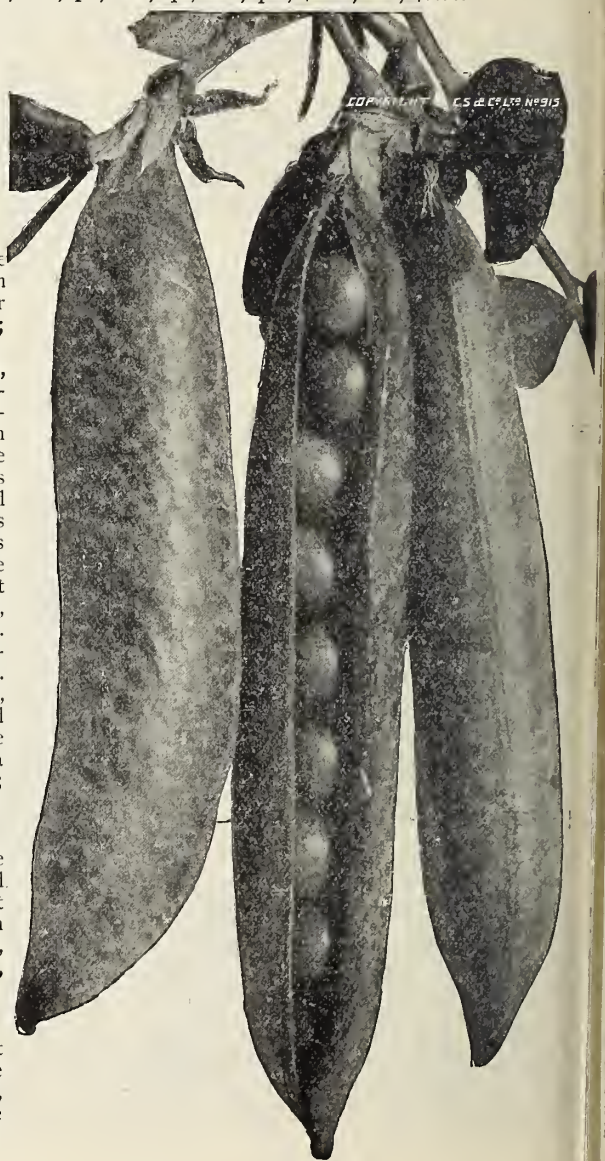
WILLIAMS SELECTED AMEER.—Resembling the Alaska in appearance, but bearing much larger pods, and only four to five days later, and also with many of the good qualities of the famous Gradus, we believe this variety to be one of the best for very early planting. We find a steadily increasing demand from both old and new customers, for this variety. The vine is very hardy, withstanding about as much bad weather as the Alaska, is of medium height, about 3 feet, has pale green foliage, and is immensely productive. The pods are very symmetrical and beautiful in appearance, of vivid green color, and very smooth. Unfortunately for the reputation of this variety, there are many inferior strains on the market, but as we have in the past few years supplied several of the large seed growers of the country with their stock seed of Ameers from our regular stock, we are thoroughly convinced of the "rightness" of our strain. **Pkt., 10c; pt., 15c; qt., 30c; pk., $1.75; bu., $6.00.**

Alaska.

WILLIAMS' IMPROVED FIRST AND BEST.—A selected strain of this popular white Extra Early Pea, very uniform in ripening. The vines are extremely vigorous and hardy, of medium height, 2½ to 3 feet, and bear an abundance of pods of medium size, straight, and each containing 5 to 7 peas of good quality. Our strain is superior to most on the market, the result of careful selection and breeding on our part. **Pkt., 10c; pt., 15c; qt., 25c; pk., $1.50; bu., $4.50.**

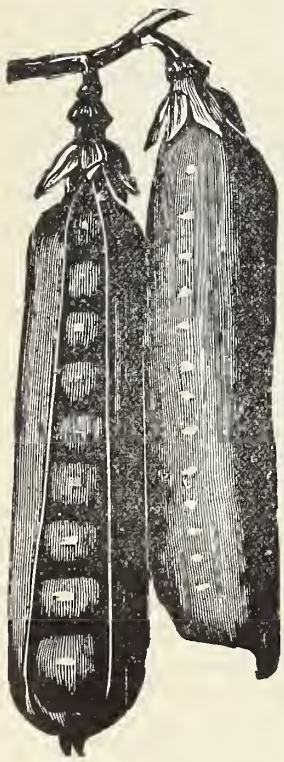
CLAUDIT, or MAMMOTH ALASKA.—Resembles Alaska in general habit and height of vine, ripening just a little later, but bearing larger and broader pods, which are straight, handsomely shaped, and well-filled. **Pkt., 10c; pt., 15c; qt., 30c; pk., $1.75; bu., $6.00.**

WILLIAMS' SELECTED THOMAS LAXTON.—The earliest of the large podded wrinkled Peas, and a variety which has steadily grown in popularity with our trade until it bids fair to supplant all other varieties for early main crop. Closely resembling in appearance and habit the Gradus, which has for a long time held first place, it is at the same time so much hardier, and so much more productive that it is steadily displacing it. Although of the wrinkled variety, it is of very vigorous constitution, and strong germinating power, and consequently can be planted much earlier than other wrinkled sorts. The vine is very vigorous, growing to a height of about 3 feet, and maturing its crop very uniformly. The pods, borne in great profusion, are large, about 4 inches long, blunt at the end, and well filled with peas of most excellent quality. Our strain is the result of careful selection and breeding, and is absolutely true to type. **Pkt., 10c; pt., 20c; qt., 35c; pk., $2.00; bu., $7.00.**



Gradus.

POTLATCH, or BIG DINNER.—One of the best second early large podded dwarf wrinkled sorts, with strong, vigorous vines, bearing medium green pods, about 4 inches long, broad, and pointed at the ends. Fit for table use in sixty-one days after planting. **Pkt., 10c; pt., 15c; qt., 30c; pk., $1.75; bu., $6.00.**



Thomas Laxton Peas.

WILLIAMS' EXTRA EARLY GRADUS, or PROSPERITY.—A very early large wrinkled pea, of great merit. This variety is undoubtedly the largest and finest flavored in cultivation, and always brings a higher price than any other sort in market, but owing to its delicate nature it is being gradually supplanted among truckers by other varieties, such as Thomas Laxton. Reasonably late plantings will obviate this trouble, however, and there is no disputing the fact that it is the finest pea in appearance and flavor that is known, and for this reason it is still largely planted. The vine is similar in appearance to Telephone, and of medium height, 3 to 3½ feet. The pods are very large, 4 to 5 inches long, pointed, uniformly well shaped and well filled with peas of delicious quality. For the private or market garden, we do not know as good a variety. **Pkt., 10c; pt., 20c; qt., 35c; pk., $2.00; bu., $7.50.**

CHAMPION OF ENGLAND.—One of the richest and best flavored of the late Peas, and very productive. The vines are about 4 feet high, with medium green foliage, and bear an abundance of blunt pods, about 3 inches long, well filled with peas of fine quality. **Pkt., 10c; pt., 15c; qt., 30c; pk., $1.75; bu., $.00.**

WHITE MARROWFAT.—Vines are 5 feet high, and of strong growth. The pods are large, cylindrical, rather rough, light colored, and well filled with peas of good substance and flavor, but not sweet. **Pkt., 5c; pt., 15c; qt., 25c; pk., $1.50; bu., $4.25.**

HARVESTER.—An entirely new variety, which is proving very popular wherever used. It bears long straight pods, pointed, 4 to 5 inches in length. Very early and very hardy. We recommend a trial of this new variety this Spring, without fail. Pkt., 10c; pt., 20c; qt., 35c; pk., $2.50; bu., $8.00.

AMERICAN WONDER.—One of the earliest of the dwarf wrinkled varieties, with vigorous vines, 9 to 12 inches high, and remarkably productive. Bears light colored round straight pods, with blunt ends. Pkt., 10c; pt., 15c; qt., 25c; pk., $1.75; bu., $6.00.

WITHAM'S WONDER.—Bears larger, broader pods than American Wonder, which are well filled with wrinkled Peas, of extra fine flavor. Vigorous and uniform in growth. Height, 18 inches. Pkt., 10c; pt., 15c; qt., 30c; pk., $1.75; bu., $8.00.

BLACK EYE MARROWFAT.—Growth and general characteristics same as White Marrowfat. The peas have a distinct black eye, which does not show, however, in the Green Peas. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.50; bu., $4.25.

WILLIAMS' IMPROVED TELEPHONE.—The best main crop tall Pea, and a leading variety with market gardeners. The vines and leaves are large and coarse, the vines attaining a height of about 5 feet, and bearing an abundance of pointed pods, 4 to 5 inches long, well filled, with large peas of exquisite flavor. Especially good for private gardens. Pkt., 10c; pt., 15c; qt., 30c; pk., $1.75; bu., $6.50.

WILLIAMS' IMPROVED SUGAR MARROW.—Early, hardy, and tremendously productive and having very little in common with the old Marrowfat varieties except the name, this popular variety should be more largely used. It is nearly equal in flavor to the best of the wrinkled varieties, and is especially good for canning. Pkt., 10c; pt., 15c; qt., 25c; pk., $1.50; bu., $5.00.

FIELD PEAS

See under field seeds.

CABBAGE PEAS

MELTING SUGAR.—A class of Peas not much known in this country, but very popular abroad, where they are used the same way as Snap Beans. The pods are sweet, brittle, and succulent, and peas and pods are cooked together. This strain is the best of this kind, producing large broad pods, which when young are stringless, tender, and of very fine flavor. Pkt., 10c; pt., 20c; qt., 35c; pk., $2.25; bu., $7.50.

We do not advocate the use of cheap seed, as they are generally dear at any price.

SQUASH, or CYMLING

CULTURE.—The general methods of culture are the same as for Melon and Cucumber, though the Squash is less particular as to soil. Squash plants are very tender, and planting must be delayed until settled warm weather. Plant in hills 4 to 8 feet apart, depending on the variety, putting from 5 to 6 seed to hill, and thinning later. Keep well hoed.

One ounce bush varieties is sufficient for 40 to 50 hills; one ounce running for 15 to 20 hills; 3 to 4 pounds to acre.

Early White Bush.

DELICATA.—Good for either Summer or Winter use. Fruit is oblong, orange yellow in color, striped with green, with richly flavored, dry flesh. Pkt. 5c; oz. 10c; ½ lb., 50c; 1 lb., 90c.

MAMMOTH CHILI.—Grows to an enormous size. Smooth skinned, orange yellow color, with thick fine grained tender flesh of fine quality. Pkt., 5c; oz., 10c; ½ lb., 60c; 1 lb., $1.00.

TRUE HUBBARD.—One of the best Winter sorts. Fruit is large, oval, with rough green skin, covered with warts. Flesh is bright orange yellow, fine grained, very dry and sweet, and richly flavored. Pkt., 5c; oz., 10c; ½ lb., 40c; 1 lb., 70c.

WILLIAMS' EARLY WHITE BUSH SCALLOP, or PATTY PAN.—The standard early variety for market gardeners, and most largely grown in the South. Of dwarf habit and upright growth, quite hardy and very productive, producing good sized fruits which are good shippers. The color is greenish white when young, changing to creamy white. Pkt., 5c; oz., 10c; ½ lb., 35c; 1 lb., 60c.

MAMMOTH WHITE BUSH.—Similar to above, except that they are larger and more uniform in shape, and about five days later. Pkt., 5c; oz., 10c; ½ lb., 35c; lb., 60c.

WILLIAMS' BOSTON MARROW.—A Fall and Winter variety, of medium to large size, oval, with thin skin, bright orange colored when ripe. Flesh is rich salmon yellow, fine grained, and of excellent flavor. Pkt., 5c; oz., 10c; ½ lb., 35c; 1 lb., 60c.

SORREL

CULTURE.—1 oz. is sufficient for 50 feet of drill. Sow ½ inch deep in drills from 18 inches to 2 feet apart, thinning later. No special cultivation is necessary, as it is very hardy.

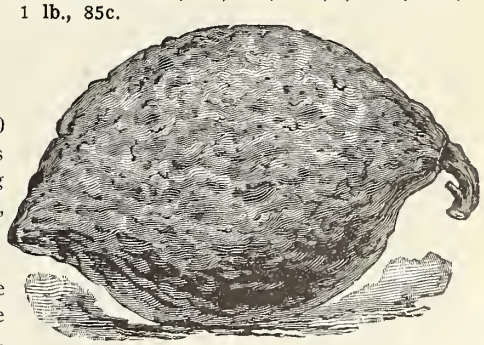
LARGE LEAVED FRENCH.—The best garden variety, having large pale green leaves of fine quality. Pkt., 5c; oz., 15c; ½ lb., 85c; 1 lb., $1.50.

ORANGE MARROW.—Similar to Boston, except that the skin is of deeper orange, and it matures a little earlier. Pkt., 5c; oz., 10c; ½ lb., 45c; 1 lb., 75c.

DELICIOUS.—An excellent late variety of medium size, with thick, fine grained bright yellow flesh. It varies somewhat in color and form. Pkt. 5c; oz. 10c; ½ lb. 40c; 1 lb., 70c.

WILLIAMS' GIANT YELLOW SUMMER CROOKNECK.—The best summer variety. Fruit is large, bright yellow, and covered with warts. Pkt., 5c; oz., 10c; ½ lb., 40c; 1 lb., 65c.

GOLDEN HUBBARD.—Similar to True Hubbard, except that it is smaller, matures earlier, and is orange red in color, except for a bit of olive green on the blossom end. Pkt., 5c; oz., 10c; ½ lb., 50c; 1 lb., 85c.



Orange Marrow.

GROWN IN AROOSTOOK COUNTY, MAINE.

POTATOES

AND WITH THE O. K. OF THE U. S. GOVERNMENT INSPECTOR ATTACHED.

Selected Seed Stock, grown especially for us in Arostook County, Maine, and stock that we are particularly proud of. We were the first ones to introduce to the truckers of our section, seed stock from Maine. This was some ten or twelve years ago, and since then we have striven steadily to improve our stocks in every way possible, by careful selection of seed stock, by thorough roguing of the fields and careful handling of the stock at all periods. Our steadily increasing sales testify to our success. When we first recognized the particular advantage to our trade of stock from Maine, we made arrangements with one of the best growers in Maine to grow stock especially for us, and according to our ideas. He realizes as fully as we do the absolute necessity of using every precaution to keep the stock pure. Owing to the prevalence, in certain sections of Maine, of some diseases, which, in the hands of certain unscrupulous dealers who were not very particular as to their seed stocks, were being transmitted to other sections of the country, the United States Government has taken over the inspection of all stock for seed, and only stock which has passed this inspection, and been declared free of all diseases, will be allowed shipped out for stock. We are advised by our grower that all his seed stock was so inspected, his growing fields have been inspected, and the harvested crop has been inspected, and passed as O. K.

CULTURE.—Rich sandy loam is best for Potatoes, and heavy manuring is absolutely necessary, and a good many begin to plant as early in February as possible. Plant in rows from 2½-3 feet apart, and from 9-15 inches apart in the row, depending upon the variety. Keep well cultivated. The Potato bug is the worst enemy, but blight has also been seen in some fields in the last year or two. For the most successful preparation to fight the bug, without the slightest danger of "burning" the plants, we recommend our preparation of "Arsenite of Zinc," fuller description of which will be found on another page of the catalog. Bordeaux Mixture is generally used for blight. We have the Arsenite of Zinc, combined with Bordeaux Mixture, which with the one spraying, takes care of the blight and the bug. Potatoes are also planted quite largely in the Fall of the year, the time of planting ranging from the early part of July to the first of August, depending on the variety.

From 3-5 barrels are required to the acre, depending on the variety.

For the Potato-Bug, spray with Arsenite of Zinc, using at the rate of 4 lbs. to the acre. This is absolutely efficient, and has the added advantage over Paris Green and other similar preparations, of not burning the plant at all, no matter how heavily applied. One of the largest Potato growers of our section tells us that in using this preparation this last season, he had better results, so far as killing the bugs was concerned, than he had ever gotten before from any preparations, AND AT LESS THAN HALF THE COST, and not a plant burned in his field.

Plant Irish Cobbler for Spring, Peachblow for Fall.

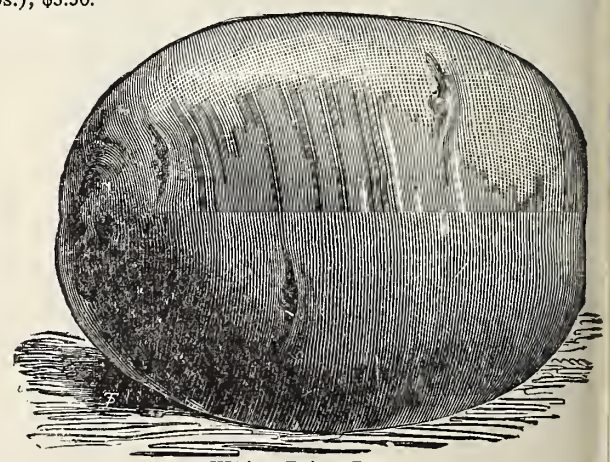
For the Private Garden, Early Rose.

WILLIAMS' IRISH COBBLER.—By long odds still the most desirable and productive extra early variety. Its good qualities are so well known to all that further comment is hardly necessary. The vines are vigorous and very hardy, short and upright in growth, consequently allowing close planting, and produce in abundance tubers that are smooth, round, plump and handsome, with strong well-developed and slightly indented eyes, and creamy white flesh. The one great fault of the Cobbler is its tendency to mix and breed back, and some growers and dealers who are not particular as to the quality of their stock, their aim being to produce quantity instead of quality, have put on the market very inferior and badly mixed stocks, to the detriment of the reputation of the variety. Our stock is as pure and true as it is possible to produce it, and with such seed stock the Cobbler will retain first place for some time to come. **4 Qts., 30c; Peck, 50c; Bus., $1.50, Bag, 11 Pcks., (165 lbs.), $3.50.**

EXTRA EARLY SUNLIGHT.—Early maturing, similar to Rose in shape, with medium sized shallow eyes. A good keeper, and a white Potato of excellent quality, well recommended for early market and home use. **4 Qts., 30c; Pk., 50c; Bus., $1.50; 11 Pk., Bag (165 lbs.), $3.75.**

BOVEE.—Once a great favorite, but has now almost entirely been displaced by the Cobbler and other extra early varieties. **4 Qts., 30c; Pk., 50c; Bus., $1.50; 11 Pk., Bag (165 lbs.), $3.50.**

PEACHBLOW.—Becoming steadily more popular as a Fall Potato. A prolific yielder of medium large tubers, and of heavy vine growth. **4 Qts., 30c; Pk., 50c; Bus., $1.50; 11 Pk., Bag 165 lbs.), $3.50.**



White Bliss Potato.

WHITE BLISS.—Similar in shape and characteristics to Red Bliss, but white. A popular and productive variety. **4 Qts., 30c; Peck, 50c; Bus., $1.75; 11 Peck Bag (165 lbs.), $4.00.**

WILLIAMS' EARLY ROSE.—Still one of the standard early varieties, productive, of excellent table quality, and very satisfactory all around. **4 Qts., 30c; Peck, 50c; Bus., $1.50; 11 Pk., Bag (165 lbs.), $3.50.**

NOROTON BEAUTY, or QUICK LUNCH.—One of the very early varieties, running very uniform in size, with peculiar pink markings. A very sure cropper, and fairly prolific, though we are hardly ready to accept the claim of some that it is destined to take first place, and supplant the Cobbler. **4 Qts., 30c; Peck, 50c; Bus., $1.35; 11 Peck Bag (165 lbs.), $4.00.**

WILLIAMS' GREEN MOUNTAIN.—A medium late, large handsome oval white Potato. A prolific yielder, and always of fine eating quality. Is not susceptible to disease, and is gradually becoming the standard white potato for late planting. **4 Qts., 30c; Peck, 50c; Bus., $1.50; 11 Peck Bag (165 lbs.), $3.50.**

RED BLISS, or TRIUMPH.—An old extra early variety, and still popular. A sure and heavy cropper, and not subject to diseases of any kind. **4 Qts., 30c; Pk., 50c; Bus., $1.75; 11 Pk., Bag (165 lbs.), $4.00.**

SPALDING'S No. 4 ROSE.—Desirable for early market gardening. A little later than Early Rose, but yields better. A large sized round Potato, with pinkish skin, of good shipping and keeping qualities. **4 Qts., 30c; Pk., 50c; Bus., $1.75; 11 Pk., Bag (165 lbs.), $4.00.**

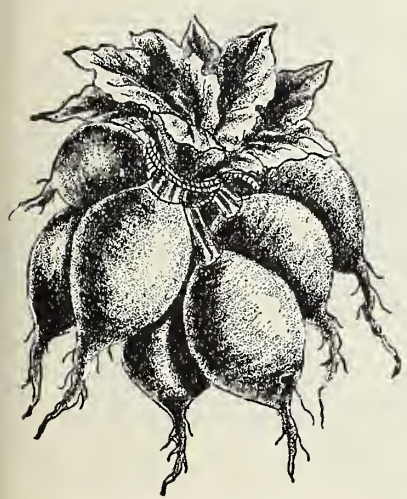
EARLY OHIO.—Said to be "the best Potato that grows in the ground." Rapidly increasing in popularity. Averages larger than other early kinds, with decided superiority in table qualities, and is an excellent kepeer and shipper. **4 Qts., 30c; Pk., 50c; Bus., $1.50; 11 Pk., Bag (165 lbs.), $3.75.**

We put our name on Strains of Seeds which we control, and which to our mind are of especial merit. In making up your order, pick out these sorts and you will be well re-paid.

STRICTLY FINE STOCK.

RADISH

AMERICAN AND FRENCH GROWN.



Williams' Forcing Scarlet Globe Radish.

We supply each year thousands of pounds of our Radish seed to the most critical market growers in our section. The stock has to be right, else we could not hope to hold their business, and that we do hold it, and increase our sales each year, is positive proof that the stocks we furnish are O. K. Some of our stocks we get from the foremost growers abroad. We have found, however, that French stock, in our section, does not produce enough "top." On the other hand, strictly American stock shows a tendency to produce too much top, and to mixture. We have overcome these difficulties by giving to our grower in this country, French seed, which we know to be pure and true, from which to produce our stock, and the result is stocks which are a happy medium, growing just the right amount of top, and as pure and true as the best French stocks.

CULTURE.—Best results are obtained from rich loose moist soil. Do not sow on cold or heavy soils. Do not use fresh manure, as it tends to induce forking of the roots, and hurts the flavor. The tenderness depends on quick growing, hence the land should be well prepared. Sow as early in Spring as possible, either broadcast or in drills. When sowing very early, it is advisable to cover beds with light covering, as protection against late freezes. The long rooted varieties should be sown on beds, in drills 9-12 inches apart, and thinned later as wanted.

1 Oz. is sufficient for 100 feet of drill, 8-10 lbs., to acre in drills, 25-30 lbs, to acre broadcast.

For forcing, Williams' Early Scarlet Globe, Early Scarlet Turnip. For early outdoor, Early Scarlet Globe, Scarlet Turnip White Tipped, Philadelphia White Box. For long Radish, White Icicle, White Strasburg, Long Scarlet Short Top. Fall and Winter, Celestial, Black Spanish.

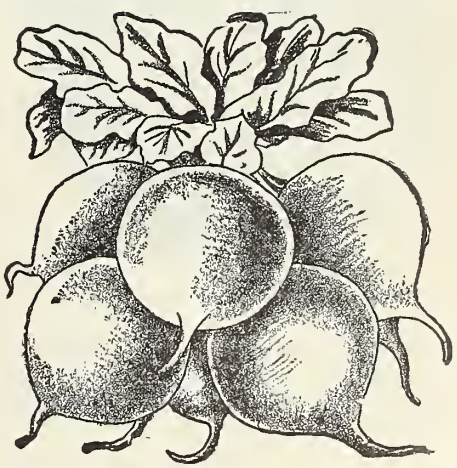
WILLIAMS' EARLY FORCING SCARLET GLOBE.—One of the finest for forcing, and also for early out-door sowing. Perfect in shape and color. Deep scarlet, with white, mild, crisp, and tender flesh. Roots are oval or olive shaped, with small tops. Of marketable size in 20-25 days after sowing. Our strain is absolutely pure and true. **Pkt., 5c; oz., 10c; ½ lb., 25c; 1 lb., 40c; 10 lbs., $3.50.**

WILLIAMS' EARLY WHITE TIPPED SCARLET TURNIP.—An extra early sort, very popular with market growers. Handsome in appearance, bright red, with white tip. Tops are small, allowing of close planting. Our strain is superior to most sorts offered, making a nice globe shaped clean root, with no laterals. **Oz., 5c; ½ lb., 25c; 1 lb., 40c; 10 lbs., $3.50.**

EARLY SCARLET TURNIP.—A quick growing round red radish, with small top, of rich scarlet color, and white crisp and tender flesh. Very desirable for early outdoor planting, as well as for forcing. **Oz., 5c; ½ lb., 25c; 1 lb., 40c; 10 lbs., $3.50.**

EARLY WHITE TURNIP.—Similar to early Scarlet turnip, except that skin and flesh are pure white. Very good for general garden culture. **Oz., 5c; ½ lb., 25c; 1lb., 40c; 1 0lbs., $3.50.**

CHARTIER LONG SCARLET.—A beautiful long brilliant scarlet radish, shading to white at the tip. Good for summer or main crop. **Oz., 5c; ½ lb., 25c; 1 lb., 40c; 10 lbs., $3.50.**



Williams' Scarlet Turnip White Tipped Radish.

Long Scarlet Short Top.

EARLY LONG SCARLET SHORT TOP.—An excellent sort, either for the home garden or market. Roots are smooth, slender, uniform in shape, and of attractive bright red color. Grows about one-third out of the ground, and continues tender until matured. **Oz., 5c; ½ lb., 25c; 1 lb., 40c; 10 lbs., $3.50.**

WHITE ICICLE.—Rapidly becoming the favorite, as it is the earliest, of the long white summer sorts. Also well adapted for forcing. Makes long white roots, ready for pulling 25 days after sowing, and retaining their excellent quality longer than other sorts. **Oz., 5c; ½ lb., 25c; 1 lb., 40c; 10 lbs., $3.50.**

WHITE STRASBURG.—One of the most popular for outside second early or main Summer crop Grows to large size, not getting pithy until very old, and of beautiful crystal white color, tender, sweet and crisp. **Oz., 5c; ½ lb., 25c; 1 lb., 40c; 10 lbs., $3.50.**

WILLIAMS' EXTRA EARLY PHILADELPHIA WHITE BOX.—Grown especially for the Philadelphia market. Of exceedingly quick growth, with beautiful pure white handsome round roots, and small tops. There are many inferior strains of this on the market, and our customers are warned to be very careful in the selection of their stock. We know ours to be absolutely right. **Oz., 5c; ½ lb., 30c; 1 lb., 50c; 10 lbs., $4.50**

EXTRA EARLY SCARLET OLIVE SHAPED.—Early, oblong in shape, and of deep scarlet color. Quick growing, crisp, and of excellent quality. Popular with truckers and for the family garden. **Oz., 5c; ½ lb., 25c; 1 lb., 40c; 10 lbs., $3.50.**

FRENCH BREAKFAST.—An old popular olive-shaped variety, with bright red oblong roots, shading to white at the tip. A fine variety for the table. **Oz., 5c; ½ lb., 25c; 1 lb., 40c; 10 lbs., $3.50.**

AUTUMN OR WINTER SORTS

WHITE CHINESE, or CELESTIAL. A comparatively new variety, but extremely popular wherever known. Of same shape and size as Long Black Spanish, but superior in every way. Beautiful white skin and flesh, of excellent quality. **Pkt., 5c; oz., 10c; ½ lb., 35c; 1 lb., 60c; 10 lbs., $5.00.**

SAKURIJIMA.—A large Japanese Radish, growing sometimes 18 inches long. Not a rapid grower. **Pkt., 5c; oz., 10c; ½ lb., 75c; 1 lb., $1.25.**

LONG BLACK SPANISH.—One of the latest and hardest long radishes. Roots are long, thick, and black, with white flesh, of firm texture. **Oz., 5c; ½ lb., 30c; 1 lb., 45c.**

ROSE CHINA WINTER.—A good Winter variety, but inferior to White Chinese. Roots are cylindrical, and of bright rose color. Flesh white and tender. **Pkt., 5c; oz., 10c; ½ lb., 35c; 1 lb., 60c; 10 lbs., $5.00.**

Philadelphia White Box.

PUMPKIN

Large Cheese.

CULTURE.—Pumpkins are not particul ar as to kind of soil. Plant late in Spring, in hills about 10 feet apart each way, working frequently until vines get good growth.

1 oz. is sufficient for 20-30 feet of hills, 2-3 lbs. to acre.

CASHAW, or CROOKNECK.—One of the best table sorts, also good for stock feeding. Very productive, and grows to a large size. **Pkt., 5c; oz., 10c; ½ lb., 25c; 1 lb., 75c.**

LARGE CHEESE.—A fine large flattened pumpkin, of excellent quality, with thick, fine grained, very sweet flesh. **Oz., 5c; ½ lb., 15c; 1 lb., 45c.**

Connecticut Field.

CONNETICUT FIELD.—An early field variety, of medium size, grown principally for feeding stock. **Oz5c; ¼ lb., 15c; 1 40c.**

KING OF THE MAMMOTHS.—Of extraordinarily large size. Good for growing for prizes. Skin is orange colored, with bright yellow flesh of fine quality. **Pkt., 5c; oz., 10c; ½ lb., 25c; 1 lb., 75c.**

NEW ENGLAND PIE, or SUGAR.—Small, but of excellent quality for pies. Deep orange colored fruit, with yellow, fine grained and very sweet flesh. **Oz., 5c; ¼ lb., 15c; 1 lb., 50c.**

TENNESSEE SWEET POTATO.—Of medium size, creamy white, with light green stripes, and fine grained brittle flesh. Unsurpassed for pies and custards. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.**

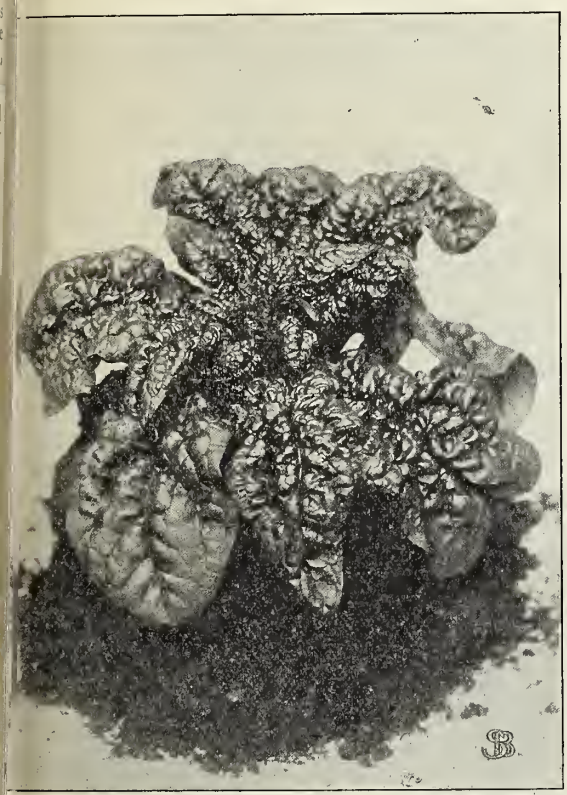
HOLLAND AND AMERICAN STOCKS

SPINACH

SPECIAL PRICES ON LARGE QUANTITIES

See Parcels Post Table on Page 5 for rates.

The majority of our stock comes from Holland, such stock having demonstrated its superiority. We are among the largest importers of Spinach seed in this country, consequently we are in position to name some very interesting prices. Our growers in Holland realize the absolute necessity of having good seed, of strong germinating power, and free from any strap-leaf (the bane of the Spinach grower), and fields of Spinach grown from our stock present an absolutely uniform appearance. In response to the demand from some of our customers for such stock, we grow each year on Long Island, a quantity of Spinach seed. This stock is thoroughly pure and true, but owing to the higher cost of labor in this country, and the inability to get but a small yield per acre, the cost of such seed is considerably higher than Holland stock. Frankly, we do not believe it to be worth the difference in price, but for those who wish it, we offer a limited quantity, with the assurance that they will find it superior to any other strains of Long Island grown stock on the market.



Williams' Bloomsdale Savoy.

CULTURE.—The richer the ground, the better for Spinach. On poor land, heavy manuring is absolutely necessary, and liming will be found advantageous. The seed are sown from the middle of August up to the 1st of November. It is rather hard, however, to get a stand of Spinach from very early sowing, as it is distinctively a cold weather plant. Sow in beds 4½ feet wide, 4 rows to bed, 10 inches apart. When the second leaves begin making, thin out to about 4 inches apart in the row. Fertilize lightly and frequently, to maintain the dark green healthy vigorous look.

1 oz. seed is sufficient for 75 feet of drill, 15 to 30 lbs. to acre.

WILLIAMS' BLOOMSDALE, or NORFOLK CURLED SAVOY. The standard sort for Southern market growers. Early, hardy, and a rapid grower, and it will, unprotected, endure our worst weather. The plant has thick dark green glossy leaves, curled and wrinkled like a Savoy Cabbage, and stands shipping to most distant markets without losing its crispness and fresh appearance. Our stock is free from strapleaf, our growers all being very particular in roguing their fields of this pest; we confidently believe our stock to be the best on the market. We offer either seed grown in Holland, or on Long Island. **Holland—1 lb., 20c; 10 lbs., $1.50; 100 lbs., $12.00. Long Island—1 lb., 30c; 10 lbs., $2.75; 100 lbs., $25.00. Spcial prices on larger quantities.**

LONG STANDING.—An improved strain, standing longer after reaching maturity than other varieties. Good for sowing either in Fall or Spring. **Oz., 5c; 1 lb., 20c; 10 lbs., $1.50; 100 lbs., $12.00.**

ROUND THICK LEAVED.—A desirable variety for Spring sowing for local market, making thick dark green crumpled leaves of excellent quality. Will not stand shipping. **Oz., 5c; 1 lb., 20c; 10 lbs., $1.50; 100 lbs., $13.00.**

NEW ZEALAND.—Unlike true Spinach, in that it thrives in hot weather, and in any soil either rich or poor. The tender shoots are of good quality, and may be cut through the summer. The germination of the seed may be hastened by soaking for 24 hours in warm water before sowing. **Oz., 10c; 1 lb., 60c; 10 lbs., $5.00.**

VICTORIA.—A long standing variety, but not very hardy, forming very large thick dark green leaves, which spread out flat on the ground. **Oz., 5c; 1 lb., 20c; 10 lbs., $1.50; 100 lbs., $13.00.**

CAREFULLY BRED FOR SEED

TOMATOES

ABSOLUTELY TRUE TO TYPE AND PROLIFIC

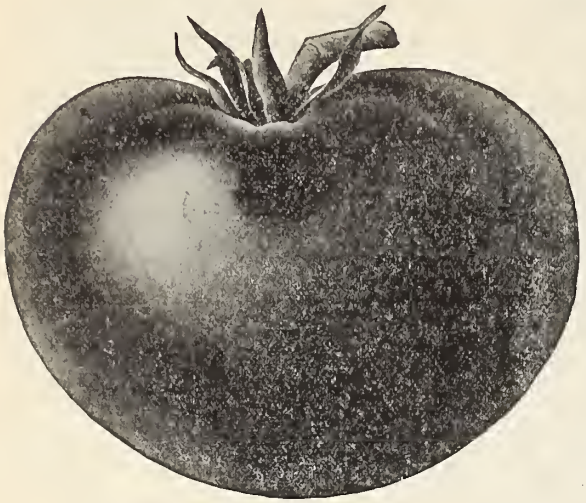
See Parcels Post Table on Page 5 for rates.

Selected Seed, grown especially for us by growers who grow only for seed. There is a vast difference between such stock and some which are offered, that are really only fit to throw away. To produce really good Tomato seed, the plants must be bred, grown exclusively for this purpose, those that are not prolific or that show off-type in any way rogued out, and the fruit for seed must be carefully graded and selected. To do this properly, of course, runs the cost up, but we would not attempt to offer any stock for sale under our name unless we were positive they had been so handled.

CULTURE.—Tomatoes do best on warm light moderately rich soil, and success depends to a great extent on securing rapid and unchecked growth in the early part of the season. For early crop, sow seed in hot-bed in January, transplanting when plants have at least four leaves to cold frame, in order to strengthen the body of the plant, and transplanting later to open ground, after all danger of frost is over, in rows 3 to 4 feet apart, and 3 feet apart in the rows. For later crop sow seed any time up to middle of July. Spray regularly, to prevent blight. For the private garden, trellissing the vines will prevent rotting by reason of the fruit laying on the ground.

One ounce seed will produce about 2,000 plants.

PINK, or PURPLISH SORTS



June Pink Tomato.

RED SORTS

WILLIAMS' IMPROVED SPARKS' EARLIANA. A most valuable first early sort. In spite of the claims of several seedsmen that new varieties introduced by them in the last year or two were the earliest maturing in cultivation, our trials of them alongside our Earliana this year show them to be several days later than Earliana. The vines of the Earliana are small, but vigorous and productive, bearing deep scarlet fruits, medium to large size, nearly round, and very smooth. The fruit is borne in clusters near the base of the plant, and the bulk of the crop ripens early. **Pkt., 10c; oz., 20c; ½ lb., $1.25; 1 lb., $2.25.**

CHALK'S EARLY JEWEL.—About a week later than Earliana, but is a heavier cropper, and bears fruit that are thicker and fleshier, and of decidedly superior quality. The fruits ripen early, and continue through long season. We especially recommend this variety for the home garden. **Pkt., 10c; oz., 20c; ½ lb., $1.25; 1 lb., $2.25.**

BONNY BEST.—A new extra early red variety, which promises to become one of the most popular. Intense scarlet in color, ripening very evenly, round, smooth, and very uniform. We recommend this variety as a very valuable early sort. **Pkt., 10c; oz., 20c; ½ lb., $1.50; 1 lb., $2.50.**

I. X. L.—Considered one of the best of the Red Tomatoes. Similar to Earliana, with fair size, good quality fruits, borne very abundantly. **Pkt., 10c; oz., 20c; ½ lb., $1.50; 1 lb., $2.50.**

IMPROVED STONE.—One of the largest and most solid late red sorts, splendid for slicing or canning. Fruit is round, slightly flattened, very large and astonishingly heavy. **Pkt., 10c; oz., 20c; ½ lb., $1.25; 1 lb., $2.25.**

WILLIAMS' IMPROVED PONDEROSA.—A purplish pink sort of very large size, undoubtedly the largest, meatiest and finest flavored in cultivation. Our stock is especially selected, and is a great improvement over the old Ponderosa, which had a tendency to produce uneven and rough fruits. Very desirable for home use, and a splendid variety for exhibition purposes, and we especially recommend it for private gardens. **Pkt., 10c; oz., 35c; ½ lb., $1.75; 1 lb., $3.00.**

MATCHLESS.—A splendid main crop sort, producing very large and red fruits, which ripen evenly and are very heavy and solid. Excellent for canning purposes. **Pkt., 10c; oz., 20c; ½ lb., $1.25; 1 lb., $2.00.**

WILLIAMS' SELECTED JUNE PINK.—A standard extra early pink sort, somewhat similar to Earliana in vine growth, shape of fruit, and early maturing quality. The plants are of compact growth, heavy bearers, and continue bearing well throughout the season. The fruit is of medium size, uniform, smooth, and very attractive in appearance, and without cracks. A valuable variety for market gardeners who want an extra early sort. Our stock has been carefully saved from selected fruits only, and is right. **Pkt., 10c; oz., 25c; ½ lb., $1.50; 1 lb., $2.75.**

WILLIAMS' EARLY DETROIT.—The largest and best of the early purplish pink sorts, with vigorous and productive vines, bearing smooth uniform globe shaped fruits, firm, of excellent quality, and well adapted for shipping. Growers who have used our strain for several years tell us that is is as fine as they ever had, absolutely pure and true. **Pkt., 10c; oz., 20c; ½ lb., $1.50; 1 lb., $2.50.**

LIVINGSTON'S BEAUTY.—A large purplish pink globe shaped sort, moderately early, with vigorous vines, bearing smooth and very solid fruit in clusters. A splendid keeper, and good for shipping. **Pkt., 10c; oz., 20c; ½ lb., $1.25; 1 lb., $2.00.**

ACME.—A popular purple fruited variety, with large hardy vines, bearing round smooth fruit of good size, free from cracks, and good for shipping. **Pkt., 10c; oz., 20c; ½ lb., $1.25; 1 lb., $2.00.**

Sow June Pink, Early Detroit, Earliana, and I. X. L. for early market. Ponderosa for private garden.

For Blight, spray regularly with Bordeaux Mixture.

Chalk's Early Jewel.

GLOBE.—A large purplish pink globe shaped variety, of excellent quality. The vines are vigorous and very productive, bearing fruits which are somewhat uneven in size, but very smooth and early maturing. **Pkt., 10c; oz., 20c; ½ lb., $1.25; 1 lb., $2.00.**

PRESERVING VARIETIES

YELLOW PLUM.—**Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., $2.50.**

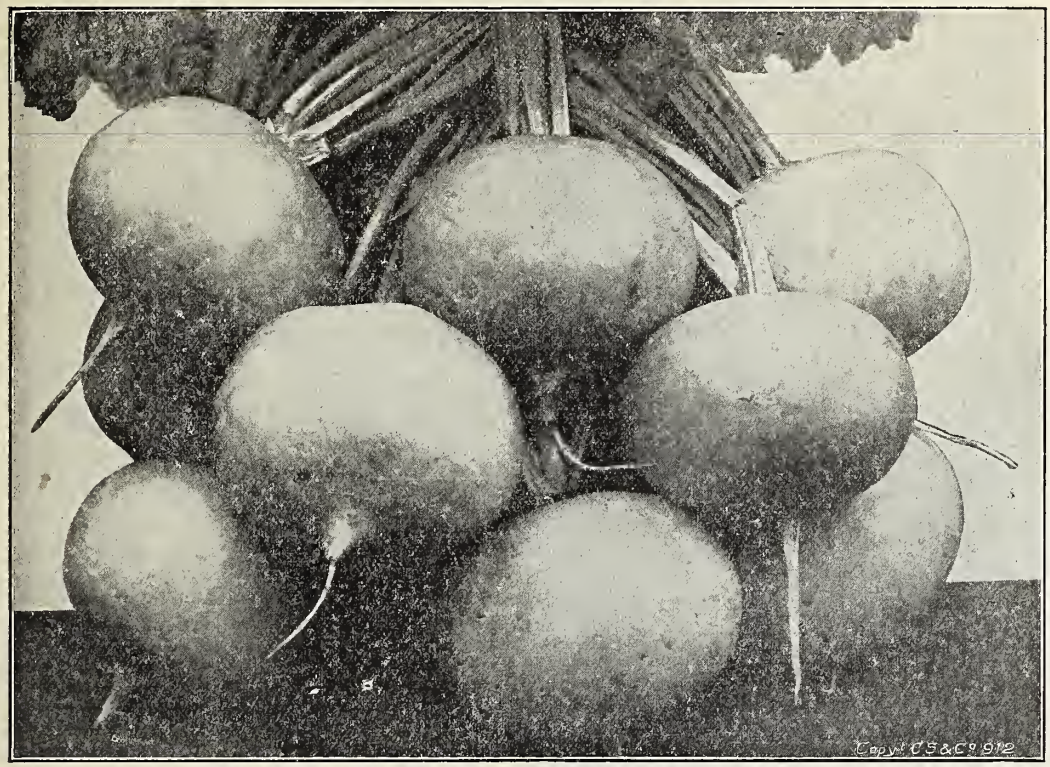
YELLOW PEAR.—**Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., $2.50.**

RED PEAR.—**Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., $2.50.**

RED CHERRY.—**Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., $2.50.**

YELLOW CHERRY.—**Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., $2.50.**

TURNIP and RUTABAGA



Pomeranian White Globe.

CULTURE.— Turnips do best in light rich soil. Sow in rows about 2½ feet apart, and thinning later to 4-8 inches apart in the row, depending on the variety. Keep well cultivated, but don't work while wet. For Spring use, sow in latter part of February. For Fall and Winter use, sow from middle of July to last of September.

1 Oz. seed is sufficient for 200 feet of drill, 1½-2 lbs., to acre.

EXTRA EARLY WHITE MILAN.—A selection from the well known Purple Top, tender and deliciously flavored, very handsome, smooth, and clear ivory white in color, both inside and out. **Pkt., 5c; oz., 10c; ¼ lb., 40c; 1 lb., 65c.**

EXTRA EARLY PURPLE TOP MILAN.—Similar to White, except that roots are flatter, and purplish red on upper portion. **Pkt., 5c; oz., 10c; ½ lb., 40c; 1 lb., 65c.**

PURPLE TOP STRAP LEAVED.—Flat shaped, quick growing, and popular either for market or home use. **Oz., 5c; ½ lb., 35c; 1 lb., 45c.**

COWHORN.—Clear white, with little shade of green at top. Grows partly above ground, with cylindrical crooked roots. **Oz., 5c; ½ lb., 25c; 1 lb., 40c.**

WHITE EGG.—A pure white, early, egg shaped sort, for either market or table. **Oz., 5c; ½ lb., 30c; 1 lb., 50c.**

WILLIAMS' PURPLE TOP WHITE GLOBE.—One of the best all-round turnips, excellent in quality, and of very rapid growth. Brilliant purple around top, white below, with white fine grained tender flesh. **Oz., 5c; ½ lb., 30c; 1 lb., 45c.**

PURPLE TOP YELLOW ABERDEEN.—A splendid stock feeding sort, yellow fleshed, hardy and very productive. **Oz., 5c; ½ lb., 30c; 1 lb., 45c.**

Seven-Top.

WILLIAMS' POMERANIAN WHITE GLOBE.—Especially desirable for Greens, and in this respect far superior to the old Seven-top. Also makes a beautifully formed, snowy white Turnip, splendid for table or stock feeding. We highly recommend this variety for all purposes. **Oz., 5c; ½ lb., 30c; 1 lb., 45c.**

SEVEN-TOP.—Once the most popular sort for salad, but now almost supplanted by the Pomeranian White Globe. This is planted exclusively for salad. **Oz., 5c; ½ lb., 30c; 1 lb., 45c.**

LARGE WHITE NORFOLK.—A handsome large sized turnip, of spherical shape, with good growth of top. Excellent for stock feeding. **Oz., 5c; ½ lb., 30c; 1 lb., 45c.**

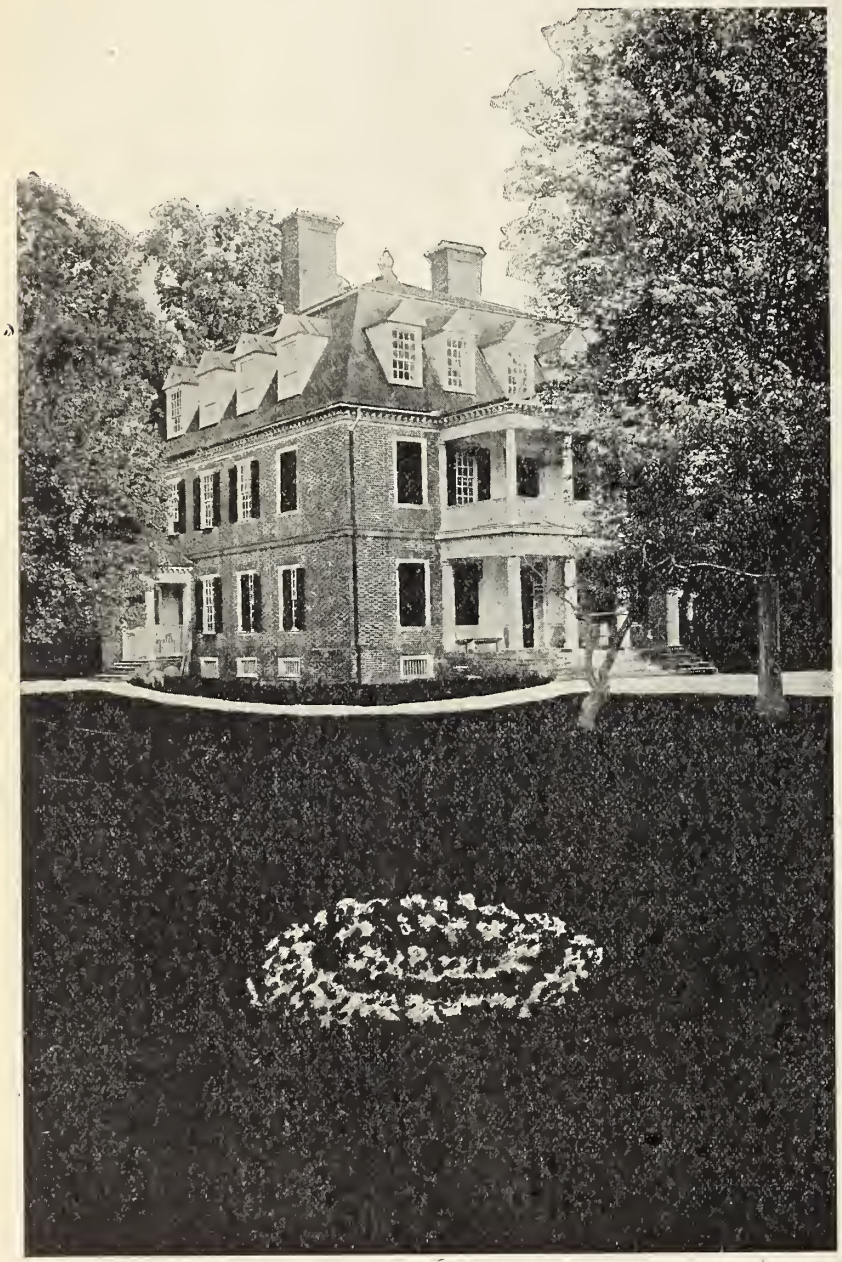
LARGE AMBER, or YELLOW GLOBE.—Excellent for either market or stock feeding, producing large solid roots. **Oz., 5c; ½ lb., 30c; 1 lb., 45c.**

RUTABAGA

IMPROVED PURPLE TOP YELLOW.—An improved strain of the finest yellow fleshed variety, taken from roots selected for large size and uniformity. The flesh is remarkably fine grained and of sweet flavor. **Oz., 5c; ½ lb., 30c; 1 lb., 45c.**

Purple Top Yellow.

LAWN GRASS



HOW TO MAKE A LAWN.—The making of a lawn requires, first, proper foundation; second, good soil; third, clean, pure seed; fourth, the proper fertilization; and fifth, intelligent care.

PROPER FOUNDATION.—Proper drainage is essential; natural drainage often, however, being sufficient. Immediately above the drainage, a layer of turned over sod is the most excellent moisture retainer, helping to keep the lawn green during prolonged droughts.

REAL SOIL.—There should be at least 8-10 inches of good garden loam above the foundation, and with this there should be mixed a liberal quantity of dry, well-rotted manure and bone meal at rate of about 800 lbs. to acre. This should be gotten into good shape for sowing by harrowing or raking the surface to the finest possible condition, and rolling until the surface is perfectly level.

WHEN TO SOW.—A lawn can be sown from at various times in the year, but preferably in the Spring or Fall. Sowing in the Spring helps to start the seed quicker, and to produce a quicker finished lawn; sowing in the Fall will prevent weeds, which are generally in the soil more or less, from germinating, and a cleaner lawn can be had. Renovating old lawns can be done any time during the growing season, but the ground should be thoroughly stirred up with a rake, and after sowing should be rolled.

HOW TO SOW.—Do not be afraid of having the grass too thick. Where the space is small, sowing by hand is the most popular method. Do not sow during a very strong wind, as the seed being very light, much will be blown away. Rake the seed in lightly, and roll with a medium weight roller. Some people mix the seed with about four times their bulk of manure, sow in this manner, and this method is very successful.

FERTILIZATION.—With a new lawn, occasional applications of Sheep manure are splendid. An established lawn should have each Spring a dressing of Sheep manure, followed about a month later with a dressing of Bone Meal. A Fall dressing with wood ashes is also very beneficial.

CARE.—As the grass begins to grow, there will always appear a certain amount of weeds, which are natural to the soil. These should always be pulled up when young, and never allowed to go to seed. When it is about 6 inches high, cut, but not too closely. After that time, a cutting about every ten days to two weeks, with an occasional rolling, will keep in fine shape. Water freely, but with discretion.

One quart will sow about 100 sq. feet, or about four bushels to the acre. For renovating use 2½ bushels to acre.

WILLIAMS' EMERALD LAWN GRASS.—From very careful tests of various mixtures, we find this mixture to be the best for our section. **Pt., 15c; qt., 25c; 2 qts., 40c; 4 qts., 75c; pk., $1.15; bus., $4.50.**

We also make special mixtures to suit special places, such as shady places, seashores, golf courses, putting greens, etc.

GRASS SEEDS

Prices are continually fluctating, and those stated herein are only for market at date of issue of catalog. Let us know what you want, and we will quote lowest market, or send us your orders, and we will fill them at lowest market price on date of receipt of order.

RED TOP, or HERD'S GRASS (Agrostis Vulgaris).—Proving one of the best and most satisfactory grasses throughout the South, seeming to be adapted to all soils and situations. Grows slowly the first year, but once established, it thickens and improves each year, and increases in yield. Makes excellent pasturage, and fine crops of good hay, maturing about the same time with Timothy, and is excellently adapted for sowing with it. Sown alone, use 8-10 lbs. to acre; with Timothy, 6 lbs. Red Top and 8 lbs. Timothy. Sow either in Spring or Fall. **Bus. (14 lbs.), about $12.50.**

ORCHARD GRASS (Dactylis Glomerata.)—Also called Cock's Foot, and Dog's Foot. It grows luxuriantly on upland, loamy or moderately stiff soils, and will do well on all soils not waterlogged. Probably the best kind for the South. Grows 3-5 feet high, and is ready to cut three weeks ahead of Timothy, nor is it so exhaustive to land as Timothy. If cut while in bloom, it yields a fine large crop of nutritious hay, but loses much of its value if allowed to get old. Two crops can be cut a year. Seed should be sown thickly, and close cutting and hard pasturing seems beneficial, as it has a tendency to grow in clumps. For this reason, a mixture with other grasses, such as Tall Meadow Ooats, Red Top, and Kentucky Blue, is desirable, especially for pasturage. When sown alone, put 2-3 bushels to acre for Hay, 1½-2 for pasturage; 5-6 lbs. Red Clover is usually sown with it. Can be sown either in Fall or Spring, preferably in Spring. **Bus. (14 lbs.), about $2.50.**

KENTUCKY BLUE GRASS (Poa Pratensis).—Also called June Grass, Green Grass, etc. Succeeds best where lime is present in the soil, but does well on stiff or clay and medium soils. Grows very slowly, taking considerable time to get a stand, but once established, it forms a close compact turf excellent for pasturage, and for lawns. Always best sown in a mixture as the other grasses will form sod until the Blue Grass is established. Sow either in Fall or Spring, and when used alone, use 2-3 bushels to acre for pasture. **Bus. (14 lbs.), about $2.00.**

Meadow Fescue.

Red Top, or Herds Grass.

TIMOTHY (Phleum Pratense).—One of the most popular, salable and nutritious of hay grasses. Succeeds best in strong rich clay soils, not too wet, but will yield well on any land that is not too dry or sandy. Does not bear grazing well. Normal yield on good ground is from 1½ to 3 tons to acre, though by heavy fertilization, it can be made to yield 2-10 tons to acre. When intended for pasturing, it should be sown in connection with other grasses, such as Alsike Clover, Red Top, or Meadow Fescue. Red Clover is not suitable as it matures much earlier. If sown alone, use ¼-½ bushel to acre. Write us for best combinations for pasturage. Our stock is specially selected, heavy, well matured seed, of good germination, and can be depended on to give good results. **Bus. (14 lbs.), about $4.50.**

TALL MEADOW OAT GRASS (Avena Elatior.)—Also called Evergreen. Suitable to nearly all upland soils, growing well even where sandy, making a thick luxuriant growth, splendid for grazing, and if cut at the proper time yielding a large crop of nutritious hay. Ripening about the same time as Orchard Grass, with large amount of leaf growth, it is fine for sowing in connection with it. It has great power of withstanding heat of summer and cold of winter. Can be pastured early in the Spring, and will yield two crops of hay in a season, with larger yield than Timothy. Best when used in combination with other grasses. Used alone, 2-3 bushels to acre. Sow either in Fall or Spring. **Bus. (11 lbs.), about $2.10.**

MEADOW FESCUE (Festuca Pratensis).—Also called Evergreen grass. One of the best for permanent pasture or hay, particularly valuable for Fall or Winter pasturage, as it remains green throughout the Winter. Does well on all classes of soil, and is not injured by overflow. Sow with Red Top, and Timothy for Hay, or with these and Orchard or Tall Meadow Oat for permanent pasturage. Sow either in Spring or Fall, when sown alone, using 2 bus. to acre. **Bus. (14 lbs.), about $2.50.**

GRASS SEEDS—Continued

Red Clover.

ITALIAN RYE (Lolium Italicum).—Particularly adaptable where quick growth of hay is wanted, and most suitable for moist land. Fine for winter and spring grazing. A vigorous grower, and a heavy feeder, consequently should either be on rich soil, or well fertilized. Best if sown in Fall. Sown alone, or with Red Clover, use 2-3 bushels to acre; in mixtures, ½-1 bushel. **Bus. (14 lbs.), about $1.25.**

BERMUDA GRASS (Cynodon Dactylon).—A very valuable perennial pasturage grass in the South, also producing good hay in the Far South. No amount of drought or hot weather will kill it. Once established, it is very hard to eradicate, but this is a point in its favor where permanent pasturage is desired. Nothing is more suitable for the waste lands of the South, for hillsides or banks. Its strong creeping roots, once established, will absolutely prevent wash, and it will stand more tramping than any other sort, and is largely used for golf courses on this account. Sow in April or May, not sooner, as seed will not germinate in cool weather, at rate of 8-10 lbs. to acre. **Lb., 85c; 10-lb. lots, 80c.**

CREEPING BENT GRASS (Agrostis Stolonifera).—Also called Florin, and Bent. Especially valuable where close thick turf is wanted. The creeping roots make it well adapted for tramping, and on this account it is highly esteemed for pastures, lawns, putting greens of golf courses, polo grounds, etc. Sown alone, use 2-4 bushels to acre. **Bus. (14 lbs.), about $3.50.**

SHEEP FESCUE (Festuca Ovina).—Valuable as a pasture grass for high and dry situations, giving good grazing where other varieties burn out. Exceeding dwarf, but very hardy, and valuable for close grazing. Sown alone, use 1½ to 2 bushels to acre; in mixtures, 10-12 lbs. **Bus. (14 lbs.), about $3.00.**

CLOVERS

Red Clover (Trifolium Pratense).—Wherever general farming is practiced, this is the standard hay, pasturage, and soil improving crop. Its growth improves the land and adds humus to the soil. It is perennial, yielding crops several years from one seeding, and on good land will yield 2-3 cuttings per year. Should be cut when in full bloom, and for this purpose is well adapted for sowing with Orchard Grass, and Tall Meadow Oat Grass. Can be sown in Spring, Summer, or Fall. Sown by itself, use 10-12 lbs. to acre. **Bus. (60 lbs.), about $11.50.**

SAPLING, or MAMMOTH CLOVER.—Also called Peavine or English. Similar to Red, but larger and later in maturing. **Bus. (60 lbs.), about $11.00.**

CRIMSON, or SCARLET CLOVER.—Also called Annual, or German. For Fall sowing only, but the greatest Fall sown soil improving crop ever introduced. Makes a fine Winter cover crop, an excellent winter and early spring grazing crop, a splendid soil improving crop to turn under early (a crop plowed under being equal to an application of stable manure), and it costs less than any leguminous crop to sow per acre. Makes the land rich and mellow, filling it with humus. Sow 12-15 lbs. to acre, broadcast, preferably in August or September. Have a firm seed bed, and if the land is recently broken up, the seed should be covered with a roller or board, rather than harrowed.

WHITE (Trifolium Repens).—Largely used in lawn and pasturage mixtures, and is indigenous to soil of this section. Forms a thick close leaf, covering the ground like a carpet, doing especially well on sandy soils. Sown alone, use 5-6 lbs. to acre, but does better in mixture. **Bus. (60 lbs.), about $20.00.**

JAPAN (Lespedeza Striata).—Particularly valuable for waste lands and woodland pastures, spreading rapidly and making good grazing, and once established, usurping all wild growths. Makes good fertilizer. Sow in Spring, scattering seed broadcast at rate of 10 lbs. to acre. **Bus. (25 lbs.), about $3.50.**

BOKHARA, or SWEET CLOVER (Melilotus Alba).—Resembles Alfalfa when young, but on maturity reaches height of 4-6 feet. Very vigorous, and well adapted to waste lands. Largely used for sowing for bees, the honey produced therefrom being very finely flavored. Use 12-15 lbs. to acre. **Bus. (60 lbs.), about $8.50.**

ALSIKE (Trifolium Hybridum).—Being largely used now, mainly on account of trouble in getting a good stand of Red Clover, and is sown largely in mixture with it. Similar in growth to Red, though not so large or so vigorous. It has a lighter colored blossom, and ripens 2-3 weeks later, hence is splendid in connection with Timothy. Sown alone, use 6-8 lbs. to acre, and in mixture with other grasses or clovers, 5 lbs. **Bus. (60 lbs.), about $13.00.**

Alsike Clover.

ALFALFA

Alfalfa.

ALFALFA, or LUCERNE (Medicago Sativa).—Makes the most valuable and largest yielding hay crop known. Can get four to five cuttings a year from sowing. For some time, it was though not to be adaptable to our section, but inoculation methods have disproved this. Loose or loamy soils, or soils with gravelly or sandy subsoils, or deep limestone soils, are admirably adapted for its growth, though clay or very heavy soils are not. Can be sown in the Spring, in March or April, and a satisfactory stand will make one or two cuttings the same year, and full cuttings the following year. It should always be cut before coming into full bloom, and handled as little as possible thereafter. A firm seed bed is of the first importance, then sow good seed 20-30 lbs. to acre, generally broadcast. A slight top dressing of well rotted stable manure is advisable. With this, and ordinary care, an Alfalfa field will last 15-20 years. Some planters sow a light seeding of Alfalfa with Clovers and other grasses, thus both determining if the land is adapted for Alfalfa, and also thus inoculating the land for it afterwards, in case it does prove adaptable. Alfalfa grows better in dry weather than any other sort. Too much care cannot be exercised in the purchase of good seed, and we can conscientiously recommend our stock as of high germination, and free from dodder. **Bus. (60 lbs.), about $8.50.**

PEANUTS

Peanuts.

All prices are subject to change. We cannot gurantee any germination of peanuts, although we use at all times the utmost care to select the very best seed stocks.

Peanuts do well in most Southern lands, though they require a large amount of lime for successful growing. Special peanut fertilizers, is prepared by most fertilizer manufacturers, from which very good results are gotten. Planting can be done from April to June, planting in drills 2½ feet apart, and putting the nuts 10 to 12 inches apart, and two to three nuts to hill. Be careful not to break the skin on the nut during planting. Cultivate well, until the nuts begin to form. Use about two bushels to acre.

SPANISH.—Land which does not do so well with the other varieties will often produce excellent crops of this variety, and little cultivation is required. Large quantities are grown for hogs. Prices variable.

RUNNING JUMBO.—Ranks above others on account of its attractive appearance. Is especially adapted to light sandy soils, and with good cultivation will produce heavily. Prices variable.

We do not advocate the use of cheap seed, which are generally dear at any price.

To successfully grow ALFALFA, CLOVERS, COW PEAS. SOY BEANS and other legumes, to increase your yield, and to improve your soil use

THE MULFORD NITRO-GERM

Scientifically Prepared and Tested

SMALL COST—LARGE RETURNS—EASY TO USE—NO LABOR EXPENSES

THE MULFORD NITRO-GERM consists of pure, tested cultures of active, vigorous nitrogen-fixing bacteria, for inoculating seeds of legumes or soil.

Legumes offer the best known means of maintaining soil fertility and rejuvenating over-cropped and worn-out fields.

The U. S. Department of Agriculture and many State Agricultural Experiment Stations recommend inoculation of legumes with nitrogen-fixing bacteria to induce a prompt "catch" and increase the yield.

THE MULFORD NITRO-GERM is prepared and tested by experts, in the biological laboratories of H. K. Mulford Co., Phila-delphia, U. S. A., with the same degree of care as Mulford Antitoxins, Serums, Vaccines, etc., which are standard all over the world.

Be sure to always specify the particular legume for which **The Mulford Nitro-Germ** is desired, otherwise we will not know how to fill your order.

(Alfalfa) (Lucerne), (Crimson Clover), (Sweet Clover), White Clover), (Red Clover), Alsike Clover), Mammoth Clover, Burr Clover, Yellow Clover, Berseem Clover, (Cow Peas), (Soy Beans), (Canada Field Peas), (Peanuts), (Spring Vetch), (Winter Vetch), Horse Beans, Velvet Beans, Perennial Peas, (Sweet Peas), (Garden Peas), (Garden Beans), Lima Beans), Lupins, Sainfoin, Beggar Weed, and others.

Those printed in (Parenthesis) can be shipped immediately from stock. The others will be prepared to order and can be supplied in a few days. **Prices, Garden Size** (about ¼ acre), **50c; One Acre Size, $1 50; Five Acre Size, $5.00.** (Not returnable).

Uninoculated Inoculated

ALFALFA

Planted Sept. 1912—Photographed (same scale) April, 1913. Plant on left not inoculated. Plant on right inoculated with **The Mulford Nitro-Germ.** All other conditions identical. **The Contrast speaks for itself.**

SELECTED FIELD CORN SEED

YELLOW VARIETIES

VIRGINIA YELLOW DENT.—A decidedly superior strain of this old standard. A strong grower, quick maturer, and heavy yielder. Long ear, with small cob, and of good weight. **Pkt., 10c; qt., 15c; pk., 60c; bus., $2.00.**

IMPROVED LEAMING.—A splendid yielder, and of fine feeding quality. Can be grown in less than 100 days, and is well adapted to all corn soils. Does not make a very large stalk, but bears two to three ears to the stalk, none barren. Red cob, with deep orance colored grains. **Pt., 10c; qt., 15c; pk., 65c; bus., $2.25.**

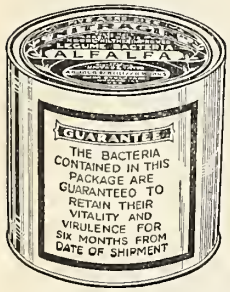
WHITE VARIETIES

NORFOLK MARKET.—Full description of this variety will be found in the Vegetable seed list. For early crop, we recommend it very highly. **Pt., 10c; qt., 15c; pk., 85c; bus., $3.00.**

TRUCKERS' FAVORITE.—A standard early variety, fine for use, either green or dry. Our strain of this is exactly right, and leaves nothing to be desired. **Pt., 10c; qt., 15c; pk., 85c; bus., $3.00.**

PERFECTED VIRGINIA WHITE DENT.—One of the standard white varieties for this section, making a good growth of stalk and fodder, but not recommended for thin soils. As it is very early, it may be planted later than other white sorts. Our stock is carefully selected each year, and will be found entirely satisfactory in every respect. **Pt., 10c; qt., 15c; pk., 65c; bus., $2.25.**

TREAT YOUR SEEDS WITH



The Improved German Soil Inoculator. Nobbe-Hiltner Process

NITRAGIN

TRADE MARK REG'D. DEC. 6, 1898 NO. 32212

PURE CULTURE

THE SIMPLEST SAFEST AND SUREST SYSTEM OF SOIL INOCULATION FOR ALL LEGUMES

For success with Clover, Alfalfa, Cow Peas, Soy Beans, Vetch ——in fact all legumes—you must have nitrogen. The air is four-fifths nitrogen—the most expensive element of all plant food. You can use this nitrogen if you grow inoculated legumes.

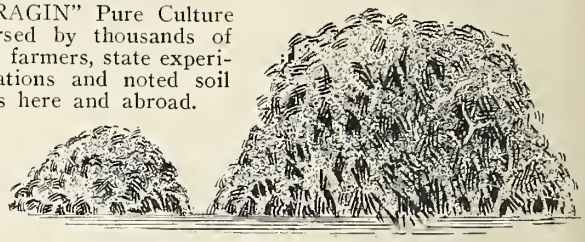
Nitrogen gathered by the germ, or bacteria, is stored in knots, or nodules, or legume roots. Experiments prove that an inoculated legume crop returns to the soil an average per acre of 122 pounds yearly. This is an addition to the nitrogen used by the crop itself.

"NITRAGIN" Pure Culture is packed in a granular medium, in a ventilated tin can. Packing date is marked on each can. The Armour Fertilizer Works positively guarantee the health, strength and virility of the germs for six months from date of packing.

The Nobbe-Hiltner improved method of packing "NITRAGIN" Pure Culture in granular form, and sending it to the farmer in ventilated tin cans is the **only** safe and certain way. Because of this method and the nature of the medium the manufacturers are enabled to gurantee life, strength and virility of germs for **six months** from packing date.

Remember, each legume requires its own particular kind of bacteria. A special strain of "NITRAGIN" Pure Culture is prepared for each legume. In ordering be sure to name crop desired.

"NITRAGIN" Pure Culture is endorsed by thousands of practical farmers, state experiment stations and noted soil culturists here and abroad.



Not Inoculated — **Inoculated with "Nitragin" Pure Culture**

Soil inoculation by "NITRAGIN" Pure Culture simply means **seed safety** and **crop insurance.** It is **not** expense, but an **investment** which will yield twenty-fold returns. No mystery about it. We simply sell you billions of strong healthy germs, guaranteed for six months. Your legumes must have these germs to draw nitrogen from the air. Easy to apply—a boy can do it. Just add water and mix with seed—let dry—plant as usual.

Prices: Garden size, $1 per can; acre size, $2 per can; 5-acre size, $9 per can. F. O. B. Norfolk. Express extra. Parcel Post, 10c per acre more.

MISCELLANEOUS FIELD SEEDS

Winter Turf.

MILLETS

GERMAN (Choice Southern Grown).—Makes a large yielding, most nutritious hay crop, quick growing and easily cured. Millet is supposed to be very hard on land, but if sown thickly and cut when in bloom, before the seed form, it is not as soil exhausting as Oats. Sow at rate of bushel to bushel and a half to acre, not too early, as it does not go off well unless weather and soil are warm. It matures crop in six to eight weeks. True German Millet produces a large and luxuriant growth of foliage, with large heads which ripen evenly. Too much care cannot be exercised to be sure that seed is the very best Southern grown, as the Western grown stock cannot compare with it. Our stock is all true Southern grown, and alright in every respect. **Bus. (50 lbs.), about $2.00.**

HUNGARIAN.—Only recommended for sowing on good low grounds, or rich soils. When so sown, it makes very superior hay, considered equal to Timothy. Less vigorous, and a smaller yielder than German. Sow same as German. **(Bus. (50 lbs.), about $1.50.**

SORGHUMS

EARLY AMBER.—Furnishes a large yield of most nutritious forage, good either green or cured, and yielding two to three cuttings a year, stooling out thicker each time it is cut. It takes it name from the cleam amber color of the syrup. Grows 10-12 feet high. Sow at rate of a peck to acre, in drills 3-4 feet apart. Broadcasted, 1-1¼ bushels to acre. **Bus. (50lbs.), about $1.50.**

KAFFIR CORN.—Makes most nutritious feed both for stock and poultry. Of vigorous growth, yielding two cuttings per season. Sown alone, use ¾-1 bushel to acre. Generally sown with Cow Peas, at rate of 1 pk. corn and 1 bu. Peas to acre. **Bus. (50 lbs.), about $1.25.**

OATS

VIRGINIA GRAY WINTER, or TURF.—A Southern favorite for Fall planting, being used for winter pasturage, as well as the grain. Also popular for Spring sowing. Sown early, they will outyield Spring Oats, though not maturing so quickly as if sown in Fall. **Bus. (32 lbs.), about 95c.**

BURT, or 90 DAY.—The quickest growing, most prolific, and surest cropping of Spring Oats. Usually free from rust, healthy, clean, and makes a vigorous growth of straw, besides a good yield of grain. **Bus. (32 lbs.), about 90c.**

RED RUST PROOF.—Standard Winter Oat, highly esteemed in the South, maturing quickly, and making large yields. **Bus. (32 lbs.), about 90c.**

BUCKWHEAT

A valuable soil improving crop, easily grown, and making a large yield of grain. Largely used for sowing for Bees. Sow during July or August, one bushel to the acre.

JAPANESE.—Larger yielding and earlier than the Silver Hull. Kernel is larger, and plants more vigorous and branching, hence need not be sown so thickly. **Bu. (48 lbs.), about $1.35.**

SILVER HULL.—A prolific and favorite sort, very superior to ordinary Buckwheat. **Bu. (48 lbs.), about $1.35.**

WHEAT

LEAP'S PROLIFIC.—A beardless variety, of great productiveness, and high milling value. **Bu. (60 lbs.), about $1.50.**

FULCASTER.—A standard bearded variety, of great productiveness, and well adapted for this section. **Bu. (6 0lbs.), about $1.50.**

SOY OR SOJA BEANS

Easily grown, and preferred to Cowpeas for feeding purposes. A fine drought resisting forage crop, producing immense quantities of nutritious food, besides being a fine soil improver. Does equally well on light or heavy soils. They maintain an upright habit of growth, making them easier to harvest than Cowpeas, and a few crops turned under will almost transform poor land. Sow from May to July, 1½ bushels to the acre. Thick sowing prevents stalk from growing too coarse.

MAMMOTH YELLOW.—Bu. (60 lbs.), about $2.00.

Soy, or Soja Beans.

MISCELLANEOUS FIELD SEEDS—Continued

HAIRY OR WINTER VETCH

A valuable forage crop for the South, giving best results when sown in the Fall, along with Oats or Wheat. Gives enormous yields of highly nutritive hay, and is perfectly hardy, thriving on any soil. Sow 20 to 30 pounds to acre, along with bushel of Oats, or ¾ bushel Wheat. **Lb., 15c; 100 lbs., $13.00.**

MAMMOTH RUSSIAN SUNFLOWER

Usually a very profitable field crop, the seed being used for bird and poultry feed. Plant and cultivate same as Corn. **Lb., 10c; 100 lbs., $6.00.**

WINTER RYE

Few crops can compare with it for Winter pasturage, and it is very adaptable to all soils and situations. Inexpensive, very productive, and of great nutritive value. Highly recommended as a cover crop for unused land during the Winter. Also ranks highly as green manure. Sow 1½ bushels to acre. **Bu. (56 lbs.), about $1.25.**

CANADIAN FIELD PEAS

Entirely different from Cow Peas, requiring to be sown early in the Spring, and maturing a crop ready for cutting in May or June. Make a most satisfactory and large yielding early forage crop. When sown alone, use ½ to 2 bushels to acre, but a light seeding of Oats along with them will increase the yield and help support the Pea vines. **Bu., about $2.50.**

DWARF ESSEX RAPE

One of the most satisfactory quick growing crops for sheep, cattle, or hogs, affording excellent pasturage in 6 to 8 weeks after sowing, besides being an excellent soil improver. Poultry also like it. Will grow on any kind of soil, and makes enormous yields. On account of these many good qualities, and the small expense of seeding, it should be more largely used by every farmer. Sow broadcast in Spring, 6 to 8 pounds to acre, or in Fall 4 to 5 pounds. Spring sowing is best. **Lb., 10c; 100 lbs., $8.00.**

TEOSINTE

A very valuable and enormous yielding continuous cutting Forage crop, resembling Indian Corn somewhat in appearance, but with larger and broader leaves. Will furnish a continuous daily supply of most nutritious green feed for horses and all kinds of cattle all through the Summer. It stools out enormously after being cut. Does not do well in cool weather, hence should not be planted until warm weather has set in. Sow in drills 3½ to 4 feet high, using 2 to 3 pounds to acre. **Oz., 10c; ¼ lb., 20c; 1 lb., 50c.**

COWPEAS

Of great soil improving value, also making a fine nutritious green Forage or Hay crop, enriching the soil when the crop is cut off. Should be sown from May to July, at rate of 1½ bushels to acre, either broadcast or in wheat drills.

Prices on Cowpeas continually fluctuate.

Write for quotations.

WHIPPOORWILL.—A favorite, early, up-right-growing variety, with brown-speckled seed, which are easily gathered. Makes a good growth of vine, fine for dry forage, an dis claimed to be superior in land-improving qualities. **Bu., about $2.25.**

BLACK.—A standard variety, very prolific and early maturing, making a large growth of vine and a heavy yield of Peas. Fine also for forage. **Bu., about $2.50.**

NEW ERA.—Vine somewhat longer than Whippoorwill, but peas not quite as large. Makes quicker growth, however, and is valuable on this account. **Bu., about $2.50.**

CLAY.—Makes a vigorous growth of vine and pea, similar to Black, but later in maturing. **Bu., about $2.25.**

EARLY, or RAMSHORN BLACK EYE.—Similar in growth of vine, but making larger yield than Black Eye, and maturing quicker. **Bu., about $3.50.**

MIXED.—A mixture of standard varieties for the South, a great many of our planters preferring to sow mixtures, as they grow thicker and produce a better crop of vines and forage than if single varieties are used. **Bu., about $2.00.**

Other Varieties on application.

As a matter of business principle, large quantities are entitled to special prices. If you are a user of large quantities, send us a list of your requirements, and we will be pleased to quote you special prices.

We put our name on Strains of Seeds which we control, and which to our mind are of especial merit. In making up your order, pick out these sorts and you will be well re-paid.

FLOWER SEEDS

Too little attention is paid in the South to the raising of Flowers from seed, due in part to unfortunate experiments along this line with seed selected at random from descriptive booklets of Northern seedsmen, without taking into consideration at all as to whether the varieties selected are suitable for this climate. In our selection of stock we have endeavored to carry only such as we feel sure under favorable conditions will give good results.

Most flowering plants will live in almost any soil, but to give them a fair chance to develop their full beauty, some care should be taken to make the ground suited to their needs. Some parts should be prepared by deep digging, thorough pulverization and liberal enriching with rotted manure; other parts can be left without so much attention.

Cultural directions are given on the packets. In general, however, the following rules will apply: Make the surface as fine, smooth and level as possible. Do not plant when the ground is too wet. Cover each lot of seed to a uniform depth, which should not be more than four to six times the diameter of the seed. Press the soil firmly over the seed. Thin out the young plants to prevent crowding, and keep free from weeds.

Plants are usually divided into three classes—Annuals, Biennials, and Perennials—designated in the description by the letters A, B, and P, respectively. Annuals are raised exclusively from seed, and normally live but one year, though they sometimes come up year after year from self-sown seed. Biennials live two years, many kinds, if sown in the Fall, blooming the following Spring. Perennials are herbaceous plants, living for years, and of the same blooming habits as the Biennials. Hardy varieties, designated by the letter H, may be sown early in March, unless in a very backward season. Those termed Half-Hardy, designated by letters H.H., should not be sown until ground turns warm. Those termed Tender, designated by letter T, should not be sown until sometime in May.

Send us 50 cents and select packets to value of 65 cents.
Send us $1.00 and select packets to value of $1.25.
Send us $2.00 and select packets to value of $2.50.

For the convenience of those who are not entirely familiar with the uses to which the different Flowers may be put, we have classified them in the table herewith. Where any variety is suited for more than one use, we have so classified it.

For Edgings and Low Borders: Alyssum, Candytuft, Centaurea, Daisy, Forget-Me-Not, Portulaca, Virginian Stocks.

For Borders and Beddings, 6 to 12 Inches in Height: Alyssum, Centaureas, Dwarf Cockscomb, Daisy, Forget-Me-Not, Pansy, Petunia, Dwarf Phlox, Portulaca, Verbena, Violet, Virginian Stocks, Dwarf Zinnias.

For Borders and Bedding, 1 to 2 Feet High: Ageratum, antirhinnium, Aquilegia, Asters, Calendula, Galliposis, Candytuft, Carnation, Clarkia, Chrysanthemum, Coleus, Dianthus or Pinks, Escholtzia, Feverfew, Geranium, Gaillardia, Gillia, Heliotrope, Dwarf Larkspur, Lychnis, Marigold, Mignonette, Bush Morning Glory, Dwarf Nasturtium, Petunia, Phlox, Poppy, Salpiglossis, Scabious, Stocks, Sweet William, Vinca, Wallflower, and Zinnias.

For Tall Beds, Groups and Backgrounds: Abutilon, Amaranthus, Calendula, Calliopsis, Canna, Canterbury Bells, Tall Cockscomb, Cosmos, Dahlia, Shasta Daisy, Digitalis, Hollyhock, Kochia, Perennial Larkspur, Lychnis, Nicotiana, Phlox, Oriental Poppy, Primrose, Ricinus, Salvia, Salpiglossis, Scabious, Sunflower, Wallflower, and Zinnia.

For Mounds and Rockeries: Abronia, Alyssum, Candytuft, Gillia, Ice Plant, Morning Glory, Oxalis, Portulaca.

For Baskets and Vases: Alyssum, Abronia, Centaurea, Clarkia, Ice Plant, Morning Glory, Tall Nasturtium, Oxalis, Petunia, Thunbergia, Virginian Stocks.

Abronia.

For Cut Flowers: Antirhinnium or Snapdragon, Alyssum, Aster, Calliopsis, Candytuft, Carnation, Flowering Centaureas, Chrysanthemum, Cosmos, Dahlia, Shasta Daisy, Dianthus or Pinks, Bush Escholtzia, Gaillardia, Heliotrope, Marigold, Mignonette, Nasturtium, Salpiglossis, Scabious, Stocks, Sweet William, Sweet Peas, Violet, and Zinnia.

Climbing Vines: Balloon Vine, Balsam Apple, Balsam Pear, Cobea Scandens, Cypress Vine, Dolichos Lablab, or Hyacinth Bean, Humulus Japonicus, or Japanese Hop, Moonflower, Morning Glory, Tall Nasturtium, Smilax.

ABRONIA UMBRELLATA, H. A. A.—A trailing plant, with sweet scented lilac flowers, formed like Verbena. Fine for hanging baskets, or any particularly dry place, remaining in bloom for long time. **Pkt., 5c; oz., 25c.**

ACROCLINIUM (Everlasting) H. H. A.—Produces double daisy like flowers, 1½ inches in diameter, the "Immorteles" so desirable for wreaths and Winter bouquets. **Pkt., 5c; oz., 30c.**

Acroclinium.

FLOWER SEEDS—Continued

Ageratum.

AGERATUM MEXICANUM (Floss Flower) H. H. A.—Plant of bushy habit, bearing attractive feathery flowers in dense clusters, very useful for bouquets. Very desirable for outdoor bedding and borders, being covered with bloom all Summer.

Blue—Pkt., 5c; oz., 25c.

White—Pkt., 5c; oz., 25c.

Alyssum.

ALYSSUM, H. A.—Can be grown either in the house or outdoors.

Sweet (Maritimum).—For borders, edgings, and massing in small beds. Blooms early, covering itself with clusters of small white cruciform flowers, of very delicate fragrance, and fine for small bouquets. **Pkt., 5c; oz., 25c.**

Little Gem (Carpet of Snow).—White variety, especially adapted for borders and rock work. Plants form a compact mass of white bloom, hence the name. **Pkt., 5c; oz., 30c.**

AMARANTHUS. H. H. A.—Highly ornamental, grown both for the foliage and flowers, fine for tall borders and groups.

Caudatus (Love Lies Bleeding).—Long drooping sprays of red flowers. **Pkt., 5c; oz., 20c.**

Tricolor (Joseph's Coat).—Leaves red, yellow and green. **Pkt., 5c; oz., 25c.**

Amaranthus.

ANEMONE (Wind Flower). H. P.—Resembling Poppy in shape, coming in several shades of colors. Among the earliest and brightest of Spring flowers. **Pkt., 10c; oz., 45c.**

ANTIRRHINUM (Snapdragon). H. P.—Well known, showy and useful border plants, producing flowers of great variety of brilliant colors. Very effective in beds. Blooms first year. **Pkt., 5c; oz., 35c.**

Antirrhinum.

Aquilegia.

AQUILEGIA.—See Columbine.

ASTERS. H. H. A.—Among the choicest of our Summer flowers, unrivalled in beauty of form and color. They do well in any well-prepared soil. Water freely during dry weather.

Comet.—Flowers like the Japanese Chrysanthemum. The outer petals curve outward irregularly. **Pkt., 10c; ¼ oz., 25c; 1 oz., 75c.**

Aster.

Queen of the Market.—The earliest of all. Branching, with long stems, and very valuable for cutting. **Pkt., 10c; ¼ oz., 25c; 1 oz., 75c.**

Truffault's Peony Perfection.—Bears large double flowers, of perfect form, splendid for bedding. **Pkt., 10c; ¼ oz., 25c; 1 oz., 75c.**

Quilled (China Aster).—Double, with quilled petals. **Pkt., 5c; 1 oz., 35c.**

Mixed.—A fine selection of all the best sorts. **Pkt., 5c; 1 oz., 35c.**

We offer no confusing discounts, all goods being quoted at lowest net price consistent with good quality.

We do not advocate the use of cheap seed, as they are generally dear at any price.

FLOWER SEEDS—Continued

BALLOON VINE (Love in a Puff). T. A.—A rapid and graceful climber, with small white flowers, and inflated membraneous capsules, carrying the seed. **Pkt., 5c; 1 oz., 20c.**

BALSAM PEAR. H. H. A.—A vigorous climber, with dense foliage. The orange colored fruit, preserved, is valued by old people for its supposed value in healing cuts and bruises. **Pkt., 5c; 1 oz., 20c.**

BALSAM APPLE.—Similar to Pear, except in shape of fruit. **Pkt., 5c; 1 oz., 20c.**

Balloon Vine.

BALSAM (Lady-Slipper, or Touch-Me-Not). H. A.—Fine for bedding or borders, bearing brilliantly colored double rose like flowers, thickly set. Does best in sunny place, and watered freely.

Double Mixed.—A fine strain. **Pkt., 5c; 1 oz., 40c.**

Camellia-Flowered.—A beautiful variety, very similar to Camellia. **Pkt., 10c; 1 oz., 65c.**

Balsam.

CALENDULA. H. A.—Showy, free flowering plants of the Marigold family, giving a fine effect in beds or borders, and blooming until frost. **Pkt., 5c; 1 oz., 15c.**

Calliopsis.

CALLIOPSIS, or COREOPSIS. H. A.—One of the showiest and most easily grown annuals. Plants are a perfect mass of bloom from early Spring till cut down by frost.

Golden Wave.—Golden blooms, with dark centers. **Pkt., 5c; 1 oz., 25c.**

Tall Mixed.—Pkt., 5c; 1 oz., 20c.

Canna.

CANNA (Indian Shot). T. A. outside, T. P. in greenhouse.—Stately, ornamental plants of semi-tropical appearance. Soak seed for twelve hours in warm water before planting, to hasten germination. **Pkt., 5c; 1 oz., 25c.**

CANTERBURY BELLS (Campania). H. B.—Handsome, easily grown plants of stately, branching growth and profuse blooms, fine for beds and backgrounds. **Pkt., 5c; 1 oz., 20c.**

CANDYTUFT. H. A.—Very effective in beds, masses or rockeries... Bears profuse clusters of beautiful flowers of many colors.

Mixed.—Pkt., 5c; 1 oz., 15c.

White.—Pkt., 5c; 1 oz., 20c.

Empress, Especially Fine.—Pkt., 10c; 1 oz., 40c.

CHRYSANTHEMUM. H. A.—Not the Winter flowering sorts, sold by florists, but are very showy and effective for borders and bedding, and desirable for cut flowers, blooming from early Summer until frost.

Morning Star.—Pkt., 10c; 1 oz., 75c.

Evening Star.—Pkt., 10c; 1 oz., 75c.

Mixed.—Pkt., 5c; 1 oz., 25c.

Candytuft.

CARNATION. H. H. P.—General favorites for their delicious fragrance and diversity of colors. Keep blooms picked, to make them live longer.

Marguerite.—Very fine. **Pkt., 10c; 1 oz., 90c.**

Mixed.—Pkt., 10c; 1 oz., $1.00.

Carnation.

FLOWER SEEDS—Continued

CENTAUREA CYANUS (Corn Flower or Bachelor's Button). H. H. A.—A fine border plant, excellent for cutting, and blooming profusely until late in Autumn. **Pkt., 5c; 1 oz., 20c.**

CINERARIA. T. P.—Bears large heads of brilliant daisy like flowers, of many colors. Fine for conservatories and window boxes. Best to be sown in the Fall **Pkt., 5c; 1 oz., 25c.**

Centaurea.

COBAEA SCANDENS. T. P.—A fine rapid growing climber, with dark green foliage, bearing large bell shaped flowers, of changeable colors. **Pkt., 10c; 1 oz., 50c.**

COCKSCOMB (Celosia Cristata). H. H. A.—Odd and picturesque, bearing innumerable small flowers, corrugated and frilled like a cock's comb. Gayest possible decoration for beds and borders, also does well in pots. **Pkt., 10c; 1 oz., 50c.**

Cineraria.

CLARKIA. H. A.—Rose-colored, white and purple flowers, in delicate but brilliant shades. A profuse bloomer. **Pkt., 5c; 1 oz., 20c.**

COLUMBINE (Aquilegia). H. P.—Very desirable, and easily grown, blooming profusely and remaining in bloom for long time. **Pkt., 5c; 1 oz., 30c.**

Coleus.

COLEUS. T. P.—Easily cultivated, and fine for massing. Does best in sheltered place. **Pkt., 20c; 1 oz., $3.00.**

COSMOS. H. A.—Of easy culture, and almost indispensable for garden decoration and for cutting. Very effective in broad masses or backgrounds. Does best in a sunny place.

Early Flowering.—Earlier than Giant Strains. **Pkt., 5c; 1 oz., 30c.**
Giant Mixed.—Pkt., 10c; 1 oz., 45c.

CYPRESS VINE (Ipomea Quamlocit). T. A.—A rapid growing climber, with dark green feathery foliage, and bright star-shaped blossoms. **Pkt., 5c; 1 oz., 20c.**

DAISY. H. H. P.—Fine for edgings and borders, bearing numerous flowers on stiff flower stalks, very suitable for bouquets.

Bellis (Double).—Pkt., 10c; 1 oz., $1.50.
Swan River.—Pkt., 5c; 1 oz., 40c.
Shasta.—Pkt., 10c; 1 oz., $1.50.

Cosmos.

DAHLIA. T. P.—A favorite for Autumn flowering, blooming the first season if started early. Symmetrical, perfect flowers, with wide range of colors. Take Tubers up in Fall, and replant following Spring.

Double Cactus-Flowered.—Pkt., 10c; 1 oz., $1.25.
Double Pompone-Flowered.—Pkt., 5c; 1 oz., 50c.
Mixed.—Pkt., 5c; 1 oz., 40c.

Dahlia.

DIANTHUS (Pinks). H. A. and H. B.—Of rich and brilliant coloring, great productiveness and delightful fragrance, well adapted for bedding, also fine for cutting.

Double China.—Pkt., 5c; 1 oz., 40c.
Double Mixed.—Pkt., 10c; 1 oz., 75c.
Single Mixed.—Pkt., 5c; 1 oz., 40c.

Dianthus.

DIGITALIS (Fox-Glove). H. B. and H. P.—Stately old-fashioned border plants, with dense spikes of large brilliantly colored flowers, and very showy. **Pkt., 5c; 1 oz., 30c.**

DOLICHOS LABLAB (Hyacinth Bean). T. A.—A fine climber, with clusters of flowers, followed by ornamental seed pods. **Pkt., 5c; 1 oz., 20c.**

FLOWER SEEDS—Continued

ESCHOLTZIA CALIFORNICA (California Poppy). **H. A.**—Showy plants, with large saucer shaped flowers, bearing profusely all season.

Double Mixed.—Pkt., 5c; 1 oz., 20c.

Bush (Hunnemania).—Fine for cutting. Pkt., 5c; 1 oz., 25c.

FORGET-ME-NOT (Myosotis). **H. P.**—Charming little plants, bearing clusters of dainty blue blossoms in profusion. Does best in shady place. Pkt., 5c; 1 oz., 40c.

FUCHIAS (Lady's Eardrops). **T. P.**—Bright colored double pendulous flowers easily grown from seed. Does best indoors in pots. Pkt., 15c; 1 oz., $1.00.

GAILLARDIA. H. A.—Fine bedding and border plants, bearing great profusion of brilliant large flowers.

Mixed.—Pkt., 5c; 1 oz., 25c.

Lorenziana.—Fine for bouquets. Pkt., 5c; 1 oz., 40c.

GILLIA. H. A.—Pretty dwarf plants, with small charming flowers, good for massing and rock work. Pkt., 5c; oz., 25c.

Fuchias.

GERANIUM. H. H. P.—Fine for pot culture, also for bedding out doors, giving profusion of blooms until frost. Beautifully marked leaves. Easily grown from seed.

Apple-Scented.—Pkt., 10c; 1 oz., $1.50.

Zonale.—Pkt., 10c; 1 oz., $1.75.

GODETIA. H. A.—Produces numbers of large widely opened flowers, remarkable for richness and variety of color. Pkt., 5c; 1 oz., 25c.

GOURDS. Ornamental. **T. A.**—Climbers of rapid growth, with very ornamental foliage, and fruit with extraordinary markings.

HELICHRYSUM (Straw-Flower). **H. A.**—Bears large full double daisy like heads, in various colors, on good length stems. Fine for Winter bouquets. Pkt., 5c; 1 oz., 40c.

Heliotrope.

HELIOTROPE. H. H. P.—Well known border and bedding plants, also good for pot culture, and easily raised from seed. Pkt., 10c; 1 oz., $1.00.

HIBISCUS. H. A.—A vigorous branching plant, of easy culture, with pretty foliage and exceedingly showy flowers. Pkt., 5c; 1 oz., 50c.

HOLLYHOCK. H. P.—Richly colored blossoms set like rosettes around the strong growing flower stalks. Seed sown in May or June, and transplanted in Fall, will bloom following Spring. Pkt., 10c; 1 oz., $1.00.

LANTANA. T. P.—Small shrubs, producing an abundance of clusters of small flowers which change color, followed by green berries that turn blue. Pkt., 5c; 1 oz., 40c.

LARKSPUR (Delphinium). **H. A.** and **H. P.**—Fine for beddings and backgrounds, and in among shrubbery. Bears long clustered spikes of beautiful irregular flowers.

Dwarf German Rocket.—Pkt., 5c; oz., 25c.

Giant Hyacinth Flowered.—Pkt., 5c; 1 oz., 25c.

Lantana.

LYCHNIS. H. P.—Blooms first year if started early. Flowers are brilliantly colored, and borne in clusters. Pkt., 5c; 1 oz., 40c.

MARIGOLD. H. A.—No flower garden is complete without this fine old plant, with its brilliant display of colors.

African Mixed. Tall—Pkt., 5c; oz., 40c.

French Mixed. Dwarf.—Pkt. 5c; oz. 40c.

Silver King.—Pkt., 5c; 1 oz., 25c.

MATRICARIA (Double White Feverfew). **H. H. P.**—Plants of bushy growth, with finely cut bushy foliage and beautiful small white double flower heads. Pkt., 5c; 1 oz., 40c.

HUMULUS JAPONICUS (Japanese Hop). **H. A.**—A vigorous climber, with rough lobed leaves and small flowers. Pkt., 5c; 1 oz., 35c.

Marvel of Peru.

ICE-PLANT. T. A.—A curious plant for hanging baskets, rock work, etc., the leaves and stems looking as though covered with ice-crystals. Pkt., 5c; 1 oz., 25c.

KOCHIA TRICOPHYLLA (Mexican Fire Bush). **H. A.**—A quick growing hedge plant, very attractive, with bright green foliage, which takes on reddish tinge in Fall. Pkt., 5c; 1 oz., 35c.

MARVEL OF PERU (Four o'Clock). **H. A.**—Large plants, with flowers similar to Morning Glory, opening about 4 in the afternoon. Too well known to necessitate further description here. Flowers are prettiest in the morning, with great assortment of colors.

Double Flowering.—Pkt., 5c; 1 oz., 20c.

Japanese.—Pkt., 5c; 1 oz., 20c.

Major.—Pkt., 5c; 1 oz., 15c.

MOONFLOWER. T. A.—A very vigorous summer climber, growing 30 to 50 feet in a season. Large white flowers, with rich Jessamine odor. Pkt., 10c; 1 oz., 60c.

FLOWER SEEDS—Continued

Mignonette.

MIGNONETTE. H. A.—Fragrant plant, producing cone shaped flower spikes of thickly set flowerets of modest colors. Often used in bouquets.

Sweet Scented.—Pkt., 5c; 1 oz., 20c.

White Pearl Machet.—Best for Pots. Pkt., 5c; 1 oz., 30c.

OXALIS. H. H. P.—Pretty spreading plants, with clover like leaves, and richly covered blossoms. Pkt., 10c; 1 oz., $1.00.

PAEONY. H. P.—Easily grown from seed, making beautiful well known flowers. Pkt., 10c; 1 oz., 75c.

NASTURTIUM. H. A.—Easily grown, and remain in bloom for long time. Large leaves, and beautiful irregular flowers, with long spikes and briliantly covered petals.

Dwarf—Pkt., 5c; 1 oz., 15c.

Tall.—Pkt., 5c; 1 oz., 15c.

Nasturtium.

NICOTIANA. H. H. A.—Handsome bedding plants, with green foliage, and bearing clusters of long drooping flowers, of delicious fragrance. Pkt., 5c; 1 oz., 40c.

PANSIES. H. P.—No description is needed of these universal favorites, which are now produced in an almost infinite variety of shapes and colors. Seed sown early indoors, and transplanted later will commence blooming in June. Our stocks are very careful selections, and will be sure to please the most fastidious.

EMPEROR WILLIAM.—Blue, with violet eye and blotches. Pkt., 10c; 1 oz., $1.50.

KING OF THE BLACKS.—Almost jet black. Pkt., 10c; 1 oz., $1.50.

LORD BEACONSFIELD.—Deep purple violet, shading to light blue. Pkt., 10c; 1 oz., $1.50.

WILLIAMS' SPECIAL MIXTURE.—Especially selected for us, and the best to be had. Pkt., 25c; 1 oz., $6.00.

GIANT TRIMARDEAU. Mixed.—A selection of the best, great variety of colors. Pkt., 10c; 1 oz., $1.50.

Choice Mixed.—Pkt., 10c; 1 oz., $1.00.

Pansy.

RICINUS (Castor Bean). T. A.—Plant of vigorous growth and tropical appearance, forming brilliantly colored fruit. Pkt., 5c; 1 oz., 15c.

SALPIGLOSSIS. H. H. A.—Showy border or bedding plants, bearing richly colored funnel shaped flowers, beautifully marbed and penciled. Pkt., 5c; 1 oz., 50c.

SALVIA (Scarlet Sage). T. P.—Blooms first season, a favorite bedding plant with brilliantly colored flowers. Fine for pot culture. Pkt., 10c; 1 oz., $2.00.

SCABIOUS. H. A.—A standard bedding plant, deserving more general cultivation, bearing large perfectly double flowers of beautiful colors, fine for cutting. Pkt., 5c; 1 oz., 25c.

SENSITIVE PLANT (Mimosa). T. A.—A curious plant, with small pink flowers, and leaves which close and droop at the slightest touch, or in cloudy damp weather, and at night. Pkt., 5c; 1 oz., 40c.

Phlox.

PHLOX DRUMMONDI. H. A.—Unexcelled in magnificent display of brilliant colored flowers which are fine for mixed bouquets.

Large Flowering Mixed.—Pkt., 5c; 1 oz., 50c.

Jubilee Mixed.—Pkt., 5c; 1 oz., 50c.

Starred and Fringed.—Extra Fine.—Pkt., 10c; 1 oz., 75c.

POPPY. H. A. and H. P.—Flower of great profusion throughout the Summer, with wide range of colors, making showy display. Very easily grown.

Striped Japanese.—Pkt., 5c; 1 oz., 25c.

Iceland.—Pkt., 5c; 1 oz., 50c.

Double Peony Flowered.—Pkt., 5c; 1 oz., 25c.

Double Corn Flowered.—Pkt., 5c; 1 oz., 25c.

Shirley.—Very fine. Pkt., 10c; 1 oz., 75c.

PORTULACA (Rose Moss). H. A.—Luxuriant foliage, making a fine setting for the flowers, which are of dazzling display of colors. Fine for massed beds. Pkt., 5c; 1 oz., 40c.

Petunia.

PETUNIA. H. A.—Unsurpassed for massing in beds, also good for window boxes. Easily grown. Pkt., 5c; 1 oz., 50c.

FLOWER SEEDS—Continued

SMILAX (Gilliflower). T. P.—A lovely climber, with beautiful foliage. Indispensable to florists for table and house decorations. **Pkt., 5c; 1 oz., 40c.**

Sweet Peas.

STOCKS (Gilliflower). H. H. A.—Particularly valuable for edging, and for pot culture. Produces dense spikes of fragrant beautiful rosette like double flowers, suitable for cutting.

German Ten-Weeks.—Pkt., 10c; oz., 75c.

SUNFLOWER. H. A.—Luxuriant growing plants, which do well on any soil.

Dwarf Double.—Pkt., 5c; 1 oz., 15c.

Double California. Tall — Pkt., 5c; 1 oz., 15c.

SWEET PEAS (Lathyrus Odoratus). H. A.—One of the best loved flowers, and one which has been greatly improved in the last ten years. Their cultivation is simple and profitable. Soil should be deep and well manured, neither too wet nor too dry, and sunnily situated. Sow in February or in October. Crop very short.

Williams Superb Mixture.—A mixture of the best large flowering sorts, in proper proportions. **Pkt., 10c; oz., 25c; lb., $1.50.**

Eckford, Mixed.—A splendid assortment. **Pkt., 10c; 1 oz., 20c; 1 lb., $1.25.**

Spencer, Mixed.—Pkt., 15c; 1 oz., 30c; 1 lb., $2.00.

Sweet William.

SPENCER VARIETIES

Asta Ohn.—Soft Lavender, suffused Mauve, very wavy and fluted. **Pkt., 15c; 1 oz., 40c; 1 lb., $4.00.**

Countess.—Bright pink. **Pkt., 15c; 1 oz., 30c; 1 lb., $2.50.**

Gladys Unwin.—Very delicate pink, shading deeper at the edge. **Pkt., 15c; 1 oz., 30c; 1 lb., $2.50.**

Captain of the Blues.—Standard light Maroon, light purple wings, fluted. **Pkt., 15c; 1 oz., 30c; 1 lb., $2.50.**

King Edward.—Bright Crimson, very large and handsome. **Pkt., 15c; 1 oz., 35c; 1 lb., $3.00.**

White Spencer.—Very large and pure White. Beautiful. **Pkt., 15c; 1 oz., 35c; 1 lb., $3.00.**

Primrose.—Cream-yellow, with beautifully fluted petals. **Pkt., 15c; 1 oz., 30c; 1 lb., $2.50.**

Blanche Ferry.—White, with deep pink standards, a very profuse bloomer. **Pkt., 15c; 1 oz., 35c; 1 lb., $3.00.**

Verbena.

Othello.—Deep glossy Maroon, wavy and fluted. **Pkt., 15c; 1 oz., 30c; 1 lb., $2.50.**

Katherine Tracy.—Rose Pink. **Pkt., 15c; 1 oz., 30c; 1 lb., $2.50.**

SWEET WILLIAM. H. P.—A well known, sweet scented flower, fine for display in the garden. Easily grown, hardy, and free flowering. **Pkt., 5c; 1 oz., 50c.**

THUNBERGIA. H. H. A.—A slender vine, fine for window boxes, bearing flowers in great profusion. **Pkt., 5c; 1 oz., 50c.**

VINCA (Periwinkle). T. P.—Blooms first season, attractive bushy plants, with glossy green foliage, and an abundance of handsome flowers. **Pkt., 5c; 1 oz., 60c.**

VIOLETS. H. P.—Produce flowers of delicious fragrance, popular with every one. Easily raised from seed.

Blue—Pkt., 10c; 1 oz., $1.00.

VERBENA. H. H. P., usually treated as A.—Splendid for beds or massing, bearing large clusters of showy flowers until frost, fine for bouquets and table decorations.

Virginia Stock.

Dwarf Mixed.—Pkt., 10c; 1 oz., 75c.
Lemon.—Pkt., 10c; 1 oz., 75c.
Defiance.—Very fine. **Pkt., 10c; 1 lb., 90c.**

VIRGINIAN STOCKS. H. A.—Plants are more branching than the ordinary stocks, and will grow well in any soil. **Pkt., 5c; 1 oz., 20c.**

VISCARIA. H. A.—Gives fine color effects if set thickly in large beds. Very easily cultivated. **Pkt., 5c; 1 oz., 40c.**

WALLFLOWER. H. P.—A favorite European garden flower, with long spikes of very conspicuous flowers, blooming early in the season, and fine for bouquets.

Paris Extra Early.—Pkt., 10c; 1 oz., 80c.

ZINNIA (Youth and Old Age). H. H. A.—Well known bushy plants, producing an abundance of large double flowers, borne on stiff stems.

Giant Double Mixed.—Pkt., 5c; 1 oz., 50c.
Crisp and Curly.—Pkt., 10c; 1 oz., 60c.

Wallflower

BULBS FOR SPRING PLANTING

Canna.

CANNAS

Gorgeous and effective bedding plants, and almost indispensable for lawns, public parks, etc. In groups or as backgrounds for smaller plants, they present a brilliant and continuous display from July until frost.

Cannas grow well in any soil, but for best results should be planted in rich garden soil, mixed well with rotted stable manure. Planting can be made in the South as early as the latter part of March. Water sparingly for the first two weeks after planting, but when growing well, water frequently. Set 18 inches to 2 feet apart each way.

Any of the following, 10c each, $1.00 per dozen, $6.50 per 100, postage or expressage extra:

AUSTRIA.—Canary yellow, with crimson throat. Orchid flowered. 4 feet.

KING HUMBERT.—Bronze foliage. Flower orange scarlet, flaked with carmine. Very effective. 4 feet.

RICHARD WALLACE.—Canary yellow. 4 feet.

DAVID HARUM.—Vermillion, dotted with crimson. 4 feet.

VENUS.—Delicate rosy pink, with creamy yellow mettled border. 4 feet.

WILLIAM SAUNDERS.—Rich bronze foliage, flowers a deep rich shining color.

FLORENCE VAUGHAN.—Rich golden yellow, thickly dotted with bright golden red. 5 feet.

PENNSYLVANIA.—Intense vermillion scarlet, overlaid with orange. 5 feet.

PRES. MYER.—Large cherry carmine flowers in immense trusses. Bronze foliage. 4 feet.

DAHLIAS

No garden is complete without them. Beautiful shades and colors, and easily grown.

Rich soil and plenty of sun is best. Plant in April, about 4 inches deep, and 2½ feet apart.

Single, All Colors—20c each; $2.00 per dozen.
Cactus, All Colors—25c each; $2.50 per dozen.
Decorative, All Colors—25c each; $2.50 per dozen.
Double, All Colors—25c each; $2.50 per dozen.

CALADIUMS

Very effective for beds or groups, especially in lawns. An abundance of water and plenty of rich manure is essential. When full grown they stand 6 to 8 feet high, and bear immense light green leaves, 3 to 4 feet long, and 2 to 2½ feet wide. Plant in April and May, putting the top of the bulb several inches below the surface. **Each, 15c to 25c; $1.50 to $2.50 doz.**

SHADE TREES

TEXAS UMBRELLA TREE.—No tree in the world surpasses it in gracefulness and beauty, and none makes a denser shade, or makes it quicker. **2-year-old trees, 75c each.**

SILVER MAPLE.—The quickest growing of the Maple family, and a very handsome tree, making a dense shade. **2-year-old trees, 75c each.**

SILVER POPLAR.—A quick growing tree with trunk and leaves of beautiful silvery sheen, highly ornamental on a lawn. **2-year-old trees, 75c each.**

MAGNOLIA GRANDIFLORA.—Famous the world over for its magnificent flowers and blossoms, and for their great fragrance. **Extra Large size tree, $1.25 each.**

GLADIOLUS

Very attractive, inexpensive, and easily grown Summer bloomers, giving gorgeous effects in mixed beds, massed in large clumps, or planted in clusters among shrubs, roses, etc.

Any good soil is suitable, and planting may be done in April, May and June. Plant 6 inches apart, and 3 to 4 inches deep.

AMERICA.—The finest variety, soft lavender pink color, and flower spikes 2 to 3 feet long. **5c each; 50c doz.; $3.00 hundred.**

BRENCHYLENSIS.—Intense fiery scarlet. Fine for massing. **5c each; 50c doz.; $3.00 per hundred.**

PRINCEPS.—Wonderful sized flower, with perfect shape and brilliant coloring. Brilliant scarlet crimson, carrying mostly three white blotches on lower petals. Flowers 5 to 6 inches broad. **10c each; $1.00 per doz.; $6.00 per hundred.**

GLADIOLUS IN COLORS

Scarlet and Red—5c each; 30c doz.; $1.75 per 100.
White and Light—5c each; 40c doz.; $2.50 per 100.
Striped and Variegated—6c each; 50c doz.; $2.75 per 100.
Lilac and Violet—6c each; 40c doz.; $2.50 per 100.

BOX AND BAY TREES

Fine for decorating porches, piazzas, or hall entrances. The bush plants can also be used with very striking effects in window boxes. The oval leaves are a dark olive green, and sweet scented.

Pyramids—2 feet, $1.50; 3 feet, $2.50.
Bush Shaped—10 to 12 inches, 50c each.

HARDY CONIFEROUS EVERGREENS

PICEA PUNGENS GLAUCA KOSTERII (Koster's Blue Spruce).—A most valuable Conifer for ornamental planting. It is a rapid vigorous grower, with stiff close branches, and brilliant rich silvery blue foliage. Perfectly hardy under all conditions. **2 to 2½ feet, $3.00.**

PYRAMIDAL ARBOR VITAE.—One of the handsomest and thriftiest of the Evergreen family. Of dense compact habit, with light green foliage. **Extra Large size, $1.25; Medium size, 75c.**

NORWAY SPRUCE.—The most popular of the Spruce family. Grows 20 to 30 feet tall, throwing out a mass of graceful leaves from the ground to its tapering point. Very hardy.
Extra Large size, $1.25; Medium size, 75c.

FRUIT TREES

APPLES

SUMMER AMBROSIA.—Bears medium sized golden flocked red apples, of most excellent flavor, ripening in August.

RED JUNE.—Famous for its striking beauty, with coat of flaming red, and meat of purest white. A good bearer, and very valuable for home use or to sell. Ripens in June.

EARLY COLTON.—Valuable because it ripens far ahead of other apples of any value. A large handsome well flavored apple, ripening in early June.

GRIMES GOLDEN.—A large golden yellow apple, of exquisite flavor. Ripens in October. A heavy bearer, and good in every respect.

MAGNUM BONUM.—The standard Fall apple, famous for its immense productiveness and unequalled flavor. Ripens in late September.

WINE SAP.—The standard Fall and Winter apple, universally popular. An immense and never failing bearer of large flaming red apples, which keep all winter.

STAYMAN WINE SAP.—A seedling of the famous standard Wine Sap. A heavy sure bearer, and a fine keeper. Thrives in all soils and climates.

All varieties except Summer Ambrosia and Early Colton, 20c each, $2.00 per dozen, $15.00 per 100.

Summer Ambrosia and Early Colton, 50c each, $5.50 per doz.

PEACHES

NEVA MYSS.—Earliest of all. Ripens in May. Never misses a crop, hence the name. A large deep red delicious Peach, sold with the understanding that no setting is to be sold from it. **40 cents each.**

SNEED.—A standard early variety, ripening early in June. Of good size, and immensely productive.

GREENSBORO.—A glorius mid-June Peach, exquisite cream and crimson in color.

CARMAN.—A very large brilliant red Peach, of excellent quality and immense productiveness, soft and nearly freestone when ripe, ripening in June.

BURKE.—A mammoth superb white and red peach, ripening late in July and early in August. Clingstone.

ELBERTA.—A mammoth gold and crimson Peach of excellent flavor, famous for its vigorous growth, immense productiveness and adaptiveness to all soils and climates. Freestone. Ripens first of August.

CRAWFORD.—A splendid red and yellow Peach. Freestone. Ripens latter part of August.

WHITE HEATH.—A large white Clingstone Peach of excellent quality for all purposes. Especially highly prized for preserving. Ripens first half September.

Any of the above except Neva Myss, 20c each, $2.00 per doz., $10.00 per 100.

Collection G.—$2.50 Delivered Free. 12 First-class Apple Trees:

1 Red June (June).
1 Early Harvest (late June).
1 Early Colton (May).
2 Early Ambrosia (Aug.).
2 Grimes' Golden (Sept.).
1 Magnum Bonum (October).
2 Winesap (fall and winter).
1 Stayman (fall and winter).
1 Dixie.

Collection H.—$2.50 Delivered Free. 12 First-class Peach Trees:

1 Neva-Myss (May).
1 Sneed (June).
1 Greensboro (late June).
1 Carman (July).
1 Belle of Georgia.
1 Burke (late July).
1 Elberta (August).
1 Ambrosia.
1 Crawford (late August).
1 Eaton's Gold (early Sept.).
1 White Heath (late Sept.).
1 Stinson's October (October).

SMALL FRUITS

BLACKBERRIES

EARLY HARVEST.—An early heavy bearing kind. **10c each, 75c doz., $3.00 per 100.**

RASPBERRIES

ST. REGIS.—An everbearing variety, yielding immense crops of luscious fruit from June to October. **20c each, $1.50 doz., $6.00 per 100.**

CUTHBERT.—Very popular. A heavy bearer of excellent quality fruit. **10c each, 75c doz., $3.00 per 100.**

DEWBERRIES

LUCRETIA.—The standard variety, a sure and heavy bearer. **10c each, 75c doz., $3.00 per 100.**

STRAWBERRIES

NEVER STOP.—The great everbearing variety, ripening fruit continuously from April to November, and proof to ordinary frost. An exceedingly productive variety of excellent quality, and the only kind bearing a full crop the first year. Plants are sold with the distinct understanding that they are not to be propagated from. **100 Plants, $2.50, Delivered.**

MISSIONARY.—One of the best Extra Early sorts, having the vigor of plant and root to enable it to thrive in all climates and soils. It bears an enormous never-failing crop of large firm deep red berries, ripening early.

HEFLIN'S EARLY.—One of the handsomest Extra Early sorts, firm enough to ship any distance, and very largely used as a shipping sort.

KLONDYKE.—An early sort, of great productiveness, large size, brilliant color and unsurpassed firmness. Very valuable.

GANDY.—A standard late berry, large, productive, firm and splendidly colored. A famous table and market variety.

EXCELSIOR.—A standard Extra Early, nearer drought, frost, and neglect-proof than any other variety.

Any of the above, except Never Stop: 50 Plants for 60c; 100 for 75c; 500 for $1.75; 1,000 for $3.00.

Special prices on larger quantities.

SPRING-BEARING STRAWBERRIES

300 CHOICE PLANTS DELIVERED FREE FOR $2.00.

100 Excelsior (very early).
100 Missionary.
25 Great Scott (very large).
75 Gandy (late).

GRAPEVINES

SCUPPERNONG.—The most wonderful of all the Grape family. Not surpassed by any, and equalled by few in luscious flavor. Very prolific and needs no attention after first few years except to provide with arbor for support of rapidly growing vines. **25c each; $2.00 doz.; $10.00 per 100.**

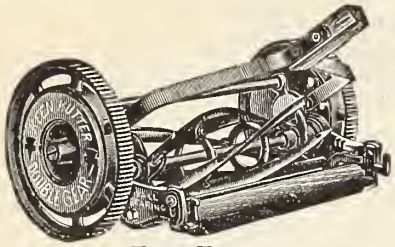
CONCORD.—A fine purple grape, too well known to need description. An immense bearer of most excellent and wholesome fruit.

DELAWARE.—A small red grape, borne in large bunches. Famous for its delicate flavor and as a dessert grape.

NIAGARA.—The best, most popular and most generally successful white grape. A truly excellent variety.

Any of the above, except Scuppernong, 10c each; $1.00 doz.; $7.00 for 100.

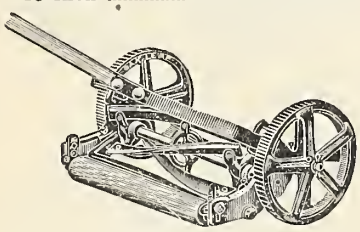
LAWN MOWERS and ACCESSORIES



Keen Kutter.

KEEN KUTTER LAWN MOWER.—Double gear. Ball-bearing. Five reel knives. Adjustable to cut grass from ½ to 1¼ inches high. Will cut grass standing 6 to 7 inches high. Highest grade crucible steel oil tempered knives, and adjustable and self-sharpening bed knife. The finest lawn mower made.

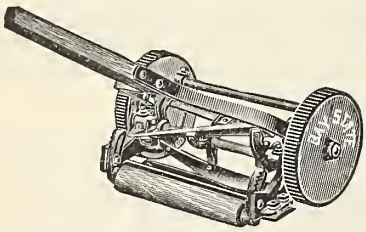
14 inch	$10.00
16 inch	11.00
18 inch	12.50



Oak Leaf.

OAK LEAF LAWN MOWER.—Ball-bearing, with four revolving oil tempered steel blades, and hardwood roller. Adjustable to cut grass to height of ⅝ to 1¼ inches, and will cut grass standing 5½ inches high. An exceptionally good mower.

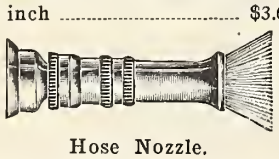
14 inch	$5.00
16 inch	6.00
18 inch	7.00



Bay State.

BAY STATE LAWN MOWER.—Low wheel, plain bearing, with three steel revolving blades, adjustable to cut grass to height of ⅞ to 1½ inches, and will cut grass standing about 5 inches high.

12 inch $3.00



Hose Nozzle.

HOSE NOZZLE.—Adjustable for spray or solid stream. For ¾-inch hose.

Each ..... 25c and 50c

Turf Edger.

Scuffle Hoe.

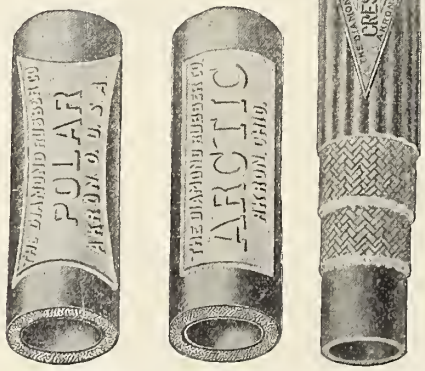
TURF EDGER.—For trimming off the sod along walks, etc. Rounding edge, tempered and sharpened. 9-inch blade, 4-foot handle.

Each $1.00

SCUFFLE HOE.—For removing sod where wanted. 8-inch blade, 4 inches deep, 5-foot handle.

Each $1.00

LAWN AND GARDEN HOSE



CRESCENT BRAND.—Can supply in any lengths wanted, up to 500 feet. ¾-inch size, with couplings—

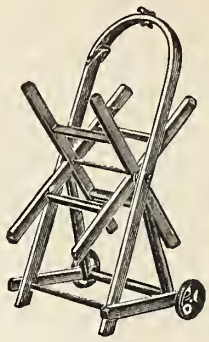
Per foot 18c

POLAR.—6-ply hose, fine for lawns, in any lengths up to 50 feet. With couplings—

Per foot 12½c

ARCTIC.—7-ply hose, for use on sprayers, in any length desired, uncoupled.

Per foot 14c



Hose Reel.

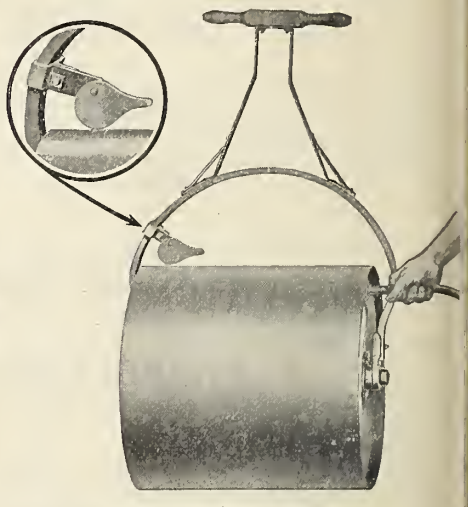
Hose Reel.

ROSE REEL.—All iron, wheels 21 inches high; length over all, 42 inches; capacity, 100 feet of ¾-inch hose.

Each $3.00

HOSE REEL.—Plain finish hardwood frame, with iron axle and wheels; capacity, 125 feet of ¾-inch hose.

Each $1.00



Water Weight Roller.

DUNHAM WATER WEIGHT LAWN MOWERS

These rollers can be filled with water to make them any desired weight and can be emptied for storing away.

The same roller can thus be used for soft lawns, for heavy turf or driveway and tennis courts.

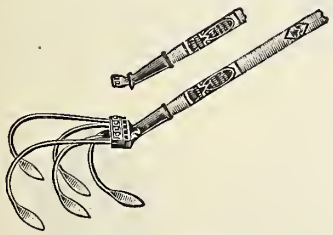
The roller bearings make the roller run easily.

When not in use the No-Tip Handle Lock holds the handle in an upright position.

Sizes and Prices.

No.	Diameter Inches.	Length Inches.	Sections.	Weight Empty.	Filled with Water.	Price.
WB-5	18	24	1	80 lbs.	310 lbs.	$13.00
WB-7	24	24	1	115 lbs.	500 lbs.	17.00

FARM and GARDEN IMPLEMENTS



Garden Cultivator.

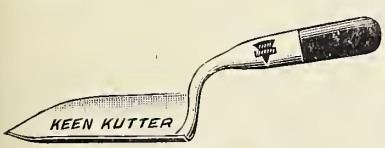
GARDEN CULTIVATOR.—Adjustable for all kinds of work. Handle can be detached and tool hooked to any hand wheel plow. Any of the prongs can be removed as wanted.

Each $1.25

Garden Fork.

GARDEN FORK.—For digging around flowers and in hot-beds.

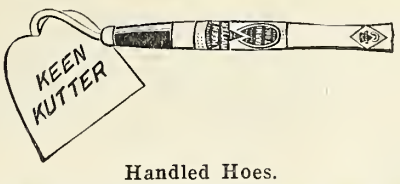
Each 25c



Garden Trowel.

GARDEN TROWEL.—Either bent or straight neck.

Each ..... 10c and 25c



Handled Hoes.

HANDLED HOES (For Field and Garden).—Best Keen Kutter grade.

5 inch blade 60c
6 inch blade 75c
7 inch blade 90c

Weeding Hoe.

WEEDING HOES.—Two prong. Fine for general garden work or for working among flowers. 4½ inch handle, 9 inch blade, 3½ inches wide.

Each 40c

Garden Weeder.

GARDEN WEEDER.—Adjustable three prong. Just the thing for small gardens and for flowers, shrubbery, etc.

Each 65c

Hay Fork.

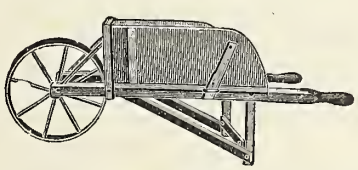
HAY FORK.—3 tine, straight handle.

Each 75c

Hay Fork.

HAY FORK.—4 tine, spade handle.

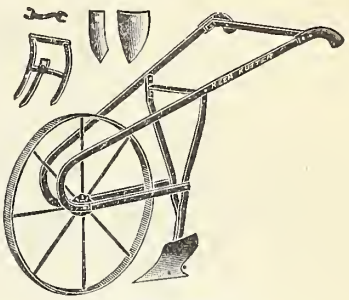
Each 85c



Garden Barrow.

GARDEN BARROW.—Hardwood frame and tray, iron braced front and legs; height 24½ inches.

Each $2.25

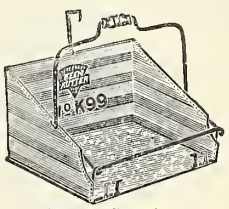


Garden Plow.

GARDEN PLOW.—Steel frame, adjustable to three different heights, complete with tools as shown.

Each $3.50

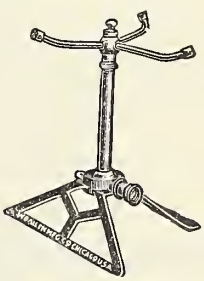
PRUNING SHEARS.—25c, 50c and $1.00 per pair.



Grass Catcher.

GRASS CATCHER.—Galvanized wire frame, covered with extra quality 8-ounce canvas, and with galvanized iron bottom; 16 inches deep, 18½ inches long. Adjustable to Keen Cutter and all standard pattern lawn mowers.

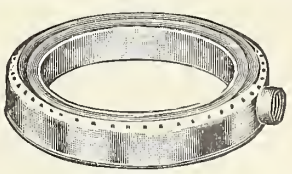
Each $1.25



Lawn Sprinkler.

LAWN SPRINKLER.—Cyclone. Cast-iron base, and stem; cast-brass head and arms. Arms revolve when in use. Length of arms, 5½ inches. For ¾-inch hose connection.

Each $2.00



Lawn Sprinkler.

LAWN SPRINKLER, RING.—Polished brass hollow ring with perforated top; 8½ inches diameter. For ¾-inch hose.

Each 75c

THE "KANT-KLOG" SPRAYER

SPRAYS TREES, ALL KINDS OF SMALL FRUITS AND GARDEN VEGETABLES. DISINFECTANTS, WHITEWASH AND MANY OTHER USES.

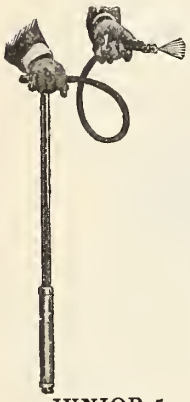
"Kant-Klog" Nozzle. The only nozzle that can be successfully cleaned without stopping the spray or removing nozzle from the tree. The only nozzle ever made to give both flat and round sprays or solid streams.

Sprayer Body. Made of Galvanized Steel or heavy Polished Brass as desired. Top and bottom dome shaped—joined to body under heavy pressure making a complete double seam. Tested under high pressure thereby avoiding troubles experienced with other constructions.

Safety Valve. Allowing air to escape after desired pressure has been obtained. Admitted by all to be the best fitted—most complete and satisfactory sprayer on the market. Price, with Galvanized Steel Body, $5.00; Price with Polished Brass Body, $7.50.

Brass Pipe for elevating nozzle in tree spraying. Several can be screwed together when necessary. 3 feet long, 40 cents. 18 inches long, 30 cents.

A NEW SPRAY AND FORCE PUMP



JUNIOR 5

This Pump requires **no fastening of any kind,** holds itself down and works anywhere and everywhere. All the operator need do is to press the plunger down. **It rises of itself.**

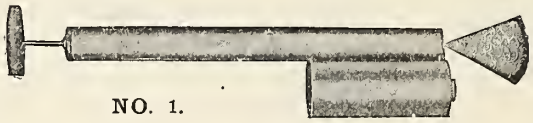
Everything except handle and hose are **Solid Brass.**

Is the **Easiest Working** and will do more different kinds of work that any pump ever made. Will pump from a pail, barrel, tank, spring or creek. Without fastening of any kind it stands firmly wherever placed. Weighs only three pounds. **Ready for Instant Use Everywhere.**

Farmers with an ordinary amount of Spraying put a barrel on their wagon, set this Pump in and spray their trees as effectively as their neighbor who uses an outfit weighing and costing five times as much.

Price of Pump complete as shown in cut, $3.50. Brass Pipe for elevating nozzle in tree spraying, length 3ft. Price, 40c.

ATOMIZERS

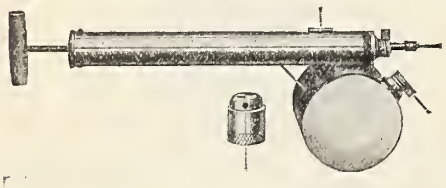


NO. 1.

No. 1. Capacity one quart. Tin pump barrel 1½ inches in diameter. Liquid tanks of Tin or Galv. Iron. **35c each.**

AUTO SPRAYS

No. 37. Continuous sprayer will handle all solutions, insecticides and disinfectants. The ideal spray for the small greenhouse, kitchen garden, for rose bushes and in the poultry house. All brass construction. Can be operated at any angle and will not tip over when filling. I qt.,, all brass, **90c each.**



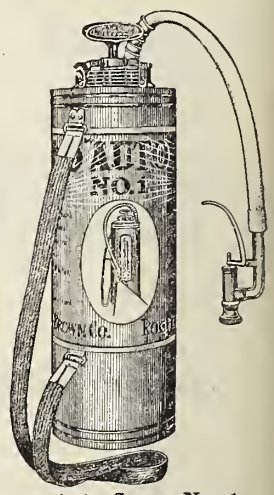
Auto Spray No. 37.

No. 1. The standard of all compressed-air sprayers. The strongest and simplest in its working parts of any sprayer on the market. Useful in every variety of spraying, trees, crops, rose bushes, etc., and can also be used to spray disinfectants, in cleansing poultry houses, and as a whitewash or cold water paint machine. Holds 4 gallons.

The Auto-Pop nozzle, part of the regular equipment, is absolutely self-cleansing and automatic in its operation and can't choke.

The sprayer complete, has carrying strap, 2½ feet hose, fine spray nozzle, solid stream cap, and auto-pop No. 1 nozzle.

Extension Brass pipes, 2 feet in length, can be attached to spray trees. Galv. Tank with Auto-Pop No. 1, **$5.00;** Brass Tank with Auto-Pop No. 1, **$7.50.**



Auto Spray No. 1.

No. 39. Four row field sprayer. For one or two horses. Capacity 50 or 100 gallons. Can be adjusted to width of rows. Specially adapted for spraying Potatoes, Cucumber, Cantaloupe, etc., The pump is driven by a short chain directly connected from the axle and is geared so that there is little draft from the operation of pumping.

By a convenient clutch arrangement the pump may be thrown out of gear with the wheels so that the machine may be drawn without working the pump. Write for fall descriptive circular.

No. 39 A. Complete for 4 rows, 4 nozzles, iron piping, 50 gallon barrel. **Price; $85.00.** Shipping weight, 700 lbs.

No. 39 B. Complete for 4 rows, 4 nozzles, brass piping, 50 gallon barrel, **$90.00;** where 2 nozzles wanted to row, add **$5.00;** where 100 gallon tank wanted instead of 50 gallon, add **$5.00.**

FERTILIZERS

Manufactured Especially for Us by the OLD BUCK GUANO COMPANY, Richmond, Va.

WILLIAMS' SPECIAL POTATO GUANO.—
6 per cent Available Phosphoric Acid
5 per cent Ammonia
5 per cent Potash

After much expensive experience, we have settled upon this analysis, as being best suited for Potatoes in this section. These goods are guaranteed to be make from proper materials for Potato growing. With good seed and a fair season "Williams Special Potato Guano" is the best fertilizing recommendation we can make.

Per 200-lb. sack, $3.70; per ton, $36.00.

OLD BUCK FLORIDA GENERAL TRUCKER.—
8 per cent Available Phosphoric Acid
4 per cent Ammonia
4 per cent Potash

Just a good medium high-grade fertilizer for general trucking purposes. Made from the very best materials obtainable, in nice condition, and put up in good bags. A very valuable analysis for a farmer to keep a small supply of on hand, as it can be safely used for almost any crop that grows, to good advantage.

Per 200-lb. sack, $3.15; per ton, $31.00.

OLD BUCK C. P. TRUCKER.—
8 per cent Available Phosphate Acid
5 per cent Ammonia
5 per cent Potash

This fertilizer is formulated much the same as the "Florida" 8-4-4; only slightly more soluble, and contains 1 per cent more Ammonia and 1 per cent more Potash; and is therefore more distinctly a trucking fertilizer for general purposes. It is used largely in some sections for Potatoes with marked success.

Per 200-lb. sack, $3.70; per ton, $35.50.

OLD BUCK TOP DRESSER.—
4 per cent Available Phosphoric Acid
10 per cent Ammnoia
2 per cent Potash

Unexcelled, strictly highest grade, fine and dry, stimulating plants to healthy growth and continuing to feed them. Composed almost entirely of water soluble materials of the most suitable kinds. It is far superior to Nitrate of Soda, and costs less.

Per 200-lb. bag, $4.70; per ton, $46.00.

OLD BUCK BETTER-THAN-BONE.—
9 per cent Available Phosphoric Acid
4½ per cent Ammonia
3 per cent Potash

This fertilizer is recommended **not** as a substitute for Bone, but as a compound which is better than Bone. The 9 per cent Available Phosphoric Acid is equal to the 21 per cent Total Phosphoric Acid in Bone; the 4½ per cent Ammonia is in better form than the 4½ per cent in Bone; and, as to Potash, of course, there is none in Bone. This formula can be had at from $5.00 to $7.00 per ton less than Bone; and the 3 per cent Potash is worth $3.00, making a better value of from $8.00 to $10.00 per ton as compared with the best pure 4½ per cent Raw Bone.

Per 200-lb. bag, $3.25; per ton, $31.00.

PURE GROUND RAW BONE.—
Containing 4½ per cent Ammonia
21 per cent Total Phosphoric Acid

This is the best obtainable, unadulterated bone.

25 lbs., $1.00; 200 lbs., $4.00; per ton, $32.00.

INSECTICIDES AND FUNGICIDES

ARSENATE OF LEAD.—A poison furnished in paste and powdered form. Used for spraying fruit and shade trees to kill chewing insects. The powdered form is twice the strength of the paste, and is used at half the quantity.

Paste Form—1 lb. pkg., per lb., 25c; 5 lb. pkg., per lb., 20c; 25 lb pkg., per lb., 16c; 50 lb. pkg., per lb., 15c; 100 lb. pkg., per lb., 13c.

Powdered Form—1 lb. pkg., per lb., 50c; 5 lb. pkg., per lb., 40c; 25 lb. pkg., per lb., 30c; 50 lb. pkg., 28c; 100 lb. pkg., per lb., 25c.

BORDEAUX ARSENATE OF LEAD.—A combined insecticide and fungicide for general use on garden vegetables and grape vines, to kill leaf-eating insects and control fungous diseases.

1 lb. pkg., per lb., 25c; 5 lb. pkg., per lb., 20c; 25 lb pkg., per lb., 16c; 50 lb. pkg., per lb., 14c; 100 lb. pkg., per lb, 12c.

BORDEAUX MIXTURE.—A fungicide in paste form for general use on truck crops to control blight, rust and other fungous diseases. **1 lb. pkg., per lb., 20c; 5 lb. pkg, per lb., 16c; 25 lb. pkg., per lb., 13c; 50 lb. pkg., per lb., 12c; 100 lb. pkg., per lb., 10c.**

BORDEAUX-ZINC.—A combined insecticide and fungicide for use on potatoes, tomatoes and similar truck crops, to kill chewing insects and control fungous diseases. **1 lb. pkg., per lb., 25c; 5 lb. pkg., per lb., 20c; 25 lb. pkg., per lb., 16c; 50 lb. pkg., per lb., 14c; 100 lb. pkg, per lb., 12c.**

1 lb., 20c; 5 lbs., 85c; 10 lbs., $1 50; 25 lbs., $2.50; 100 lbs., $8.00.

ARSENITE OF ZINC.—A poison for spraying potatoes, tomatoes, and similar truck crops, to kill potato bugs and various chewing insects. It is furnished in either paste or powdered form. It is used on potatoes at rate of 4 lbs. to acre, in paste form. It is absolutely efficient, and at the same time there is positively no danger of "burning" the plants, as with other insecticides. Also very economical, one of our largest customers telling us last year that by its use he reduced his bill for spraying over half, with better results than he had ever gotten before.

Paste Form—1 lb. pkg., per lb., 25c; 5 lb. pkg., per lb., 20c; 25 lb. pkg., per lb., 16c; 50 lb. pkg., per lb., 15c; 100 lb. pkg., per lb., 14c.

Powdered Form—1 lb. pkg., per lb., 50c; 5 lb. pkg., per lb., 40c; 25 lb. pkg., per lb., 30c; 50 lb. pkg., per lb., 28; 100 lb. pkg., per lb., 25c.

LIME SULPHUR SOLUTION.—The best remedy for San Jose scale; also a good Summer spray, as it is an excellent fungicide.

Qt. can, 40c; 1 gal. can, $1.00; 5 gal. can, $4.50; ½ bbl. (30 gals.), 20c per gal.

HAMMOND'S SLUG SHOT.—A very effective and one of the cheapest and best powders for destroying insects. 5 lb., pkg., 30c; 100-lb., lots at 5c. per lb. Filled 1 lb., canisters, with perforated top ready for dusting on, 20c.

FISH OIL SOAP (Commonly known as Whale Oil Soap).—An excellent wash for trees and plants when insects and eggs affect the bark; also very efficient in spraying peas to rid them of lice. **Lb., 25c; 5 lbs., 75c; 10 lbs., $1.25.**

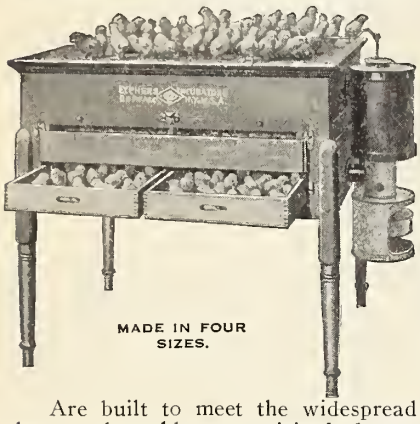
POULTRY APPLIANCES

We Are Authorized Agents For

GENUINE **CYPHERS COMPANY INCUBATORS** PATENTED

MADE IN THREE STYLES—EIGHT DIFFERENT SIZES

For the season of 1915 we offer our customers the Cyphers Incubator Company's complete line of incubators. There three styles of high-class, guaranteed hatching machines, running through eight different sizes, represent all that is efficient, convenient and reliable in incubator construction. In buying a Cyphers Incubator you take no chance.



MADE IN FOUR SIZES.

STANDARD CYPHERS INCUBATORS

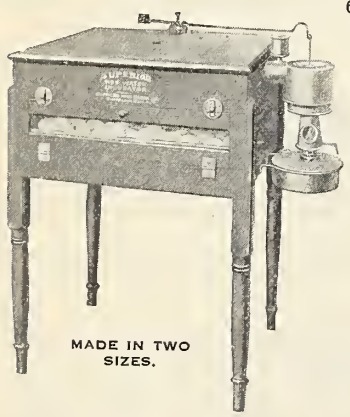
These are machines that for fifteen years and more have been recognized as the "Standard hatchers of the world." Tens upon tens of thousands of them have been sold and are in successful use in every civilized country on the globe. They are used by more Government Experiment Stations, on more large, practical poultry plants, on more successful duck and egg farms, and by a larger number of foremost poultry breeders than all other makes combined. They are the last word to date in Incubator building, not a penny being spared anywhere in their construction to make sure of their doing satisfactory work in all climes, under widely different conditions, in the hands of all sorts of people. They are built to hatch and to last. With ordinary care they should last an ordinary lifetime. Every Standard Cyphers Incubator is guaranteed by the manufacturers to do first-class work in the hands of every purchaser who will give it a fair trial. Are built in four popular sizes and at prices as follows: 70 eggs, price complete, $15.00; 140 eggs, price complete, $22.00; 244 eggs, price complete, $32.00; 390 to 400 eggs, price complete, $38.00.

COLUM A HOT-AIR NCUBATORS

Are built to meet the widespread demand for large-capacity, lamp-heated machines that can be sold at surprisingly low prices, and yet be guaranteed to do high-class work. Have wooden cases, attractively finished in dark green, with brass trimmings and double walls. Seamless-bottom lamp bowls, best quality brass burners, zinc and steel Standard Cyphers toggle-joint thermostat and same regulating equipment as used on highest priced machines. Fume-proof, forced draft heater, asbestos covered and metal banded. Automatic in ventilation and embodies diffusive principle. Roomy chick nursery under egg trays. Are made in two sizes: 130-140 eggs, price complete, $15.00; 240-250 eggs, price complete, $19.00. Fully guaranteed.

MADE IN TWO SIZES.

130-140 Egg Columbia Hot-Air Incubator. Price, Complete in Every Detail, $15.00.



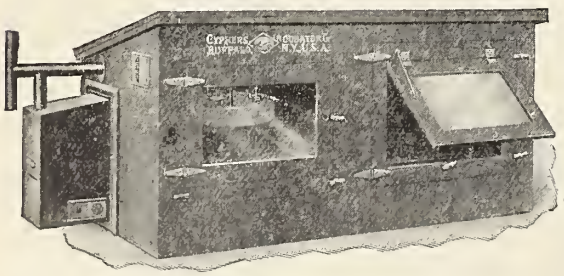
MADE IN TWO SIZES.

60-65 Egg Superior Hot-Water Incubator. Price, Complete in Every Detail, $10.00.

SUPERIOR HOT-WATER INCUBATORS

These machines are exactly what the name says. They are heated by hot-water, instead of with hot-air, and are "superior" in every detail. The water boiler and tank (tubular) are of heavy-weight copper. Lamp has seamless bowl; burner is best on market. Incubator case is of wood, attractively finished in golden brown, with brass trimmings (hinges, buttons, etc.), and has double walls, with air space insulation. Are equipped with Standard Cyphers zinc and steel toggle-joint thermostat and knife-edge regulator. Have forced water circulation and are automatic in ventilation. Roomy chick nurseries. Are built in two sizes: 60-65 eggs, price complete, $10.00; 120-130 eggs (see illustration), price complete, $14.00. Fully guaranteed.

Write for Large Complete Catalogue of Cyphers Incubators and Brooders.



STANDARD CYPHERS BROODERS

These Cyphers 1915 Brooders, all sizes and styles, are self-regulating, self-ventilating and varmint-proof.

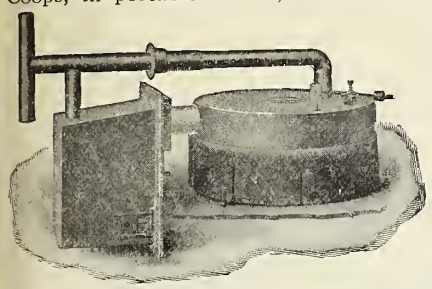
The outdoor styles are usable also as colony coops for the growing chicks. They are easily and quickly converted into colony roosting coops by simply taking out the hover, which is made removable for that purpose.

This Double Use of the Cyphers Brooder means a considerable saving of money. It makes a safe and comfortable enclosure for the young chicks at night, and saves the buying of a coop for them. All Cyphers 1915 Brooders, both outdoor and indoor, contain either two or three apartments. The popular style B. (shown in illustration herewith), contains three apartments; first, roomy space under the hover; second, hover chamber; third, well lighted exercising apartment.

Style A. 2 Apartment Outdoor Brooder.....$13.50
Style B. 3 Apartment Outdoor Brooder.....$17.50
Style C. 3 Apartment Outdoor Brooder (for cold climates)$19.00
Style D. 2 Apartment Indoor Brooder.....$13.00

CYPHERS ADAPTABLE HOVER

The Cyphers Adaptable Hover is Self-ventilating and Self-regulating. It supplies a continuous supply of **fresh, pure warmed** air under the hover, and at the same time maintains a steady, uniform heat. All the essentials of successful brooding of chicks are automatically provided. It is "adaptable" to use in Colony Coops, in portable houses, in home-made



brooder coops, such as goods boxes, piano boxes, and organ cases, as well as in large brooding houses. It is constructed entirely of non-combustible material, and bears the fire underwriters Inspected Brooder Label. Capacity, seventy-five newly hatched chicks, or fifty chicks that are ten days to six weeks old.

Price of Cyphers Adaptable Hover $8.50

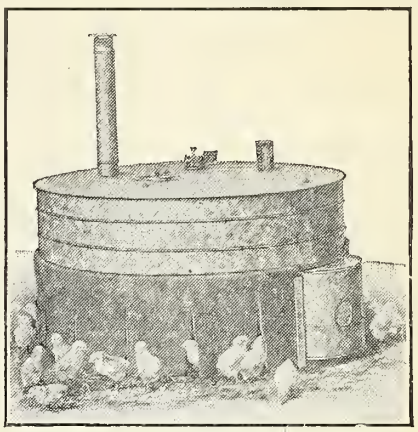
CYPHERS PORTABLE HOVER

The Cyphers Portable Hover is the only **Self-regulating** and **Self-ventilating** Portable Brooding Hover thus far invented, and we guarantee it to be the best brooding device of the kind on the market. This latest improved Hover is positively and infallibly automatic in ventilation, preventing the trapping of "dead" air or poisonous gases underneath the curtain. A continuous supply of fresh, warmed air is automatically forced beneath the hover.

The fumes from the lamp **positively can not** get into the brooding space where the chicks are located.

The lamp can be removed from this Hover without allowing heat under the hover to escape. This insures an even, continuous heat beneath the hover, and reduces the amount of oil used.

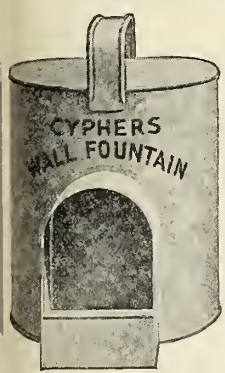
This Portable Hover, as its name indicates, can be picked up at any time, all complete. and moved about without hind-



ering its operation. Rated capacity, seventy-five newly hatched chicks, or fifty chicks that are ten days to six weeks old.

Price of Cyphers Portable Hover.....$8.50

CYPHERS COMPANY POULTRY SUPPLIES



CYPHERS KEEP CLEAN WALL FOUNTAIN

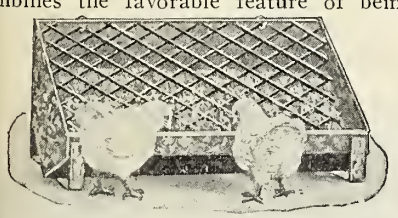
The construction of these fountains prevents the water from getting dirty and full of litter. They are very convenient to handle, and can be hung upon the wall above the floor, the back of the can being flat. They will not break by freezing.

Prices:

1 Gal. size, ...60c
2 Gal. size, ...75c

BOSTON DRY FOOD HOPPERS

We believe this Food Hopper to be the best device of the kind on sale for the use of thrifty, up-to-date poultry raisers. It combines the favorable feature of being



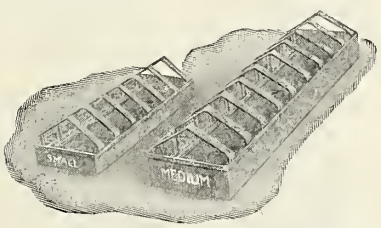
Rat proof, with great economy of food. With this device fowls cannot waste food, yet food is always accessible and always in sight. It cannot clog, is easily refilled when empty, and easy to clean and keep clean.

Manufactured in four sizes:

Large size, holds ½ bushel.....$1.00
Small size, holds 1 peck..... .80
Long, chicken size, holds 1 peck..... 1.25
Short, chicken size, holds ½ peck..... .90

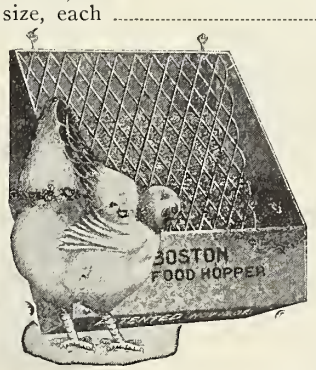
COMBINED FOOD AND WATER HOLDERS

These combined food and water dishes are convenient for watering or feeding chicks, fowls or ducks and for use of feeding mashes of any kind: also steamed or dry alfalfa, or clover. Where this pro-



tected receptacle is used, a saving of 15 to 25 per cent. in food stuff may be counted on.

Small size, each 35c
Medium size, each 50c
Large size, each 75c



CHICK-SIZE BOSTON HOPPER.

Excellent for use in feeding Meat Scrap to small chicks anywhere. Re duces waste. Holds one-half peck.

CYPHERS SEPARABLE DRINKING FOUNTAINS

Small and medium sizes, manufactured by Cyphers Incubator Company. Used for young chicks in Brooders, indoors and on range. Easy to keep clean and will last for years.

These drinking fountains meet the first essential for healthy fowls—**they are easy to keep clean.** They are made of heavy galvanized iron by the use of steel dies, and will last a long time with ordinary usage. Thesc fountains are made in four sizcs. The smaller size (1 quart) is designed for usc in brooders, nurseries, etc.

SEPARABLE DRINKING FOUNTS.

The medium size (2 quart), is for large chicks and ducklings, or for small or medium sized flocks of fowls. The 3½ size (quart) is designed for large chickens, ducklings, and adult fowls. The larger size holds two gallons, and is used extensively by breeders of ducks and large flocks.

Prices:

Small size, each 20c
Medium size, each 25c
Large size, each 30c

Pratts Animal and Poultry Regulators and Remedies

Satisfaction Guaranteed or Money Refunded

PRATTS POULTRY REGULATOR

This is the original Poultry Regulator of America, in use by the most successful poultry raisers everywhere.

It is a guaranteed egg producer, and when regularly used, hens lay throughout the year.

It is a perfect digestive and tonic and will prevent chicken cholera, gapes, roup, rheumatism, expel worms, prevent leg weakness, egg eating. It also greatly improves turkeys, geese, ducks, pigeons and guineas—insuring quick, healthy growth.

100-lb. bags, $9.00; 25-lb. pails at $2.50; 50c pkgs., weight 4 lbs.; $1.00 pkgs., weight 9 lbs.

PRATTS POULTRY DISINFECTANT AND LICE KILLER

If poultry keepers would regularly spray the chicken houses, roosts, dropping boards and utensils with Pratts Poultry Disinfectant, most all their troubles would vanish. This great Disinfectant is a real wonder-worker in the poultry yard. Put up in 1-qt., 35c, and 1-gal. cans, $1.00.

PRATTS ROUP REMEDY

(Tablets or Powder)

Is a scientific preparation **guaranteed** to prevent and cure roup, colds, canker, catarrh and diphtheria.

In severe cases individual treatment with the tablets is the only sure method. For mild cases and as a preventive crush the tablets or use the powdered form, and mix in the drinking water.

Sold in 25c, 50c and $1.00 boxes.

PRATTS CHOLERA REMEDY

Is an unfailing remedy for this disease and is a "guaranteed or money back" article which is prepared under our own supervision in our own laboratories. It is administered in the drinking water, and will be found of great value, not only for treating cholera, but also in cases of indigestion, sour crop, dysentery, diarrhea and bowel trouble. 25c and 50c a box.

PRATTS HEAD LICE OINTMENT

Causes immediate death to the Head Lice which kill so many thousands of little chicks yearly. Head lice weaken the chick's health—and a chick in weakened condition easily contracts many other diseases. Pratts Head Lice Ointment prevents this. It is non-poisonous, and is also the best remedy for Scaly Legs. Sold in 25c tins.

PRATTS BABY CHICK FOOD

This is one of the greatest Money Savers and greatest Chick Savers ever placed on the market. Every man, woman or child who raises little chicks, turkeys, ducks and geese should try at least one package of Pratts Baby Chick Food. It is a scientific food ration to be fed for the first three weeks. If you want **real success** with your hatches, if you want to save all the baby chicks, if you want them to grow fast—get Pratts Baby Chick Food on our recommendation for your first trial, after that you will never be without it. Put up in 1-lb., 3-lb., 6½-lb. packages, also 14-lb., 25-lb., 50-lb. and 100-lb. bags.

PRATTS LICE KILLER

(Powdered Form)

It quickly and thoroughly kills all lice on little chicks, big chicks, setting hens, and incubator chicks. It rids horses, cattle, hogs, dogs and cats of lice, and destroys ticks on sheep. It destroys insects and bugs on vines, plants and flowers. A valuable deoderizer and disinfectant, for all poultry houses, barns, stables, and dwellings. Drives out moths from closets, furniture, carpets and clothing.

25c and 50c.

PRATTS WHITE DIARRHOEA REMEDY

This remedy will positively save many dollars worth of little chicks to poultry raisers. It has taken us nearly three years to find a remedy for White Diarrhea, and we are so sure that we have it in this article that we authorize our dealers throughout the world to refund the purchase price in case it fails. Extra large box, 50c; small size, 25c.

PRATTS SORE HEAD REMEDY

(Chicken Pox)

From costly experience poultrymen have learned to dread the disgusting disease known as Sore Head or Chicken Pox. They know it will practically ruin the flock unless quickly checked. We guaranteed a sure, rapid cure if Pratts Sore Head (Chicken Pox) Remedy is used.

25c and 50c a box.

PRATTS ANIMAL REGULATOR

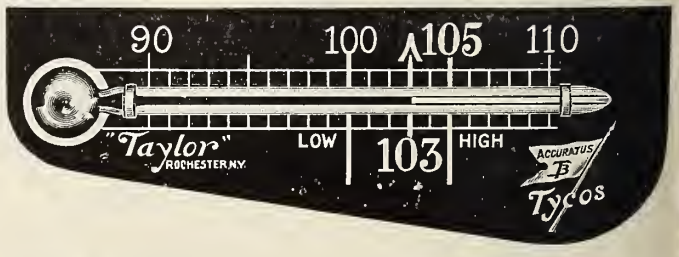
This is the original and pioneer Stock Regulator of America. It keeps horses well and strong, improves their wind, and makes their coat sleek and glossy.

Cows give more and richer milk, the percentage of butter fat being increased, and their calves are strong and healthy. Steers fatten in half the time.

Hogs are raised and fattened quickly and kept free from disease. Sheep are kept healthy, and their meat and wool improved by its use. Test it on our guarantee to do the work or money refunded.

25-lb. pails, $3, are popular with our customers; also in 50- and 100-lb. sacks and small packages.

INCUBATOR THERMOMETERS



TYCOS.—Adjustable. Can be used in any machine.

Each..... 65c

POULTRY FEEDS

BLATCHFORD'S MILK MASH.—Chicks started and raised on this are never bothered with Diarrhoea. It nourishes the same as whole milk, and the chicks saved prove the wisdom of its use. Keep before the chicks continuously after they are 24 hours old, feeding in dry form just as it comes from the bag.

Broilers raised on this mash grow rapidly to big birds, and command top prices on account of their size and choice quality meat.

Five pounds of this Mash will raise a chick to the age of three months.

Analysis: Protein, 20 per cent; Fat, 4 per cent; Fiber, 7½ per cent.

25 lbs., $1.00; 100 lbs., $3.50.

RED COMB CHICK FOOD.—A chick scratch that will start them right. Made from cracked wheat, cracked corn, cracked Kaffir corn, millet seed, and steel cut oats. Guaranteed Analysis: Protein, 10 per cent; Crude Fiber, 5 per cent; Fat, 25 per cent; Carbohydrates, 60 per cent. **$2.50 per 100 lbs.**

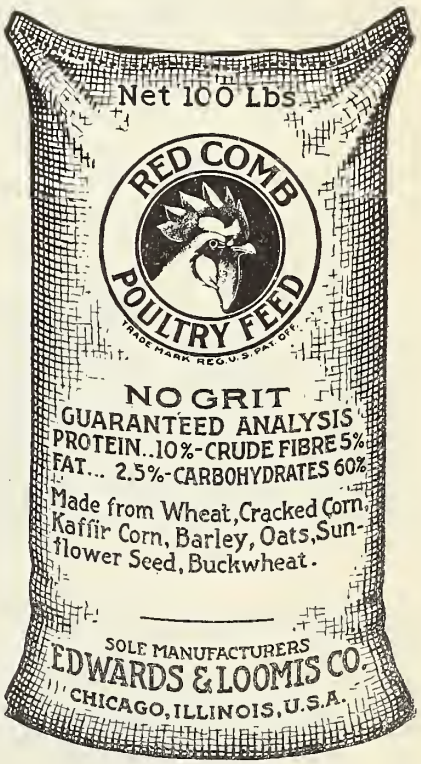
RED COMB SCRATCH FOOD.—A high-class balanced food, without grit or shell. Note analysis on cut of bag.

$2.40 per 100 lbs.

BLATCHFORD'S "FILL THE BASKET" EGG MASH.—A perfect, complete food for encouraging the natural egg laying functions to greater results, and contains nothing resembling a drug. Contains dry milk, alfalfa, corn, barley, bone and oatmeal, wheat bran and middlings, beef scraps, fish, powdered limestone and salt, in carefully balanced proportions, and "makes the hen shell out the eggs."

The average hen will consume about a pound a week.

25 lbs., $1.00; 100 lbs., $2.75.



RED COMB MEAT MASH.—The great egg maker for chickens, ducks and turkeys. Note analysis on cut of bag.

50 lbs., $1.50; 100 lbs., $2.50.

RED COMB MEAT SCRAPS.—A standard meat food for poultry of all ages. An absolute necessity, especially during winter months. It contains from 50 to 55 per cent Protein, is pure, sweet, free from taint and finely ground.

10 lbs., 50c; 50 lbs., $2.00; 100 lbs., $3.75.

CRUSHED OYSTER SHELLS.—Splendid to help formation of egg shells and keep fowls healthy.

10 lbs., 15c; 25 lbs., 25c; 100 lbs., 75c.

CHARCOAL.—A necessity for every poultry raiser. It aids the digestion, purifies the blood and promotes the health of chickens to a wonderful extent.

2-lb. cartons, 10c; 50-lb. bags, $1.15.

POULTRY GRIT.—Especially prepared for poultry, containing all sizes wanted.

5 lbs., 10c; 50 lbs., 50c; 100 lbs., 85c.

CYPHERS POULTRY REMEDIES

This remedy, in the treatment of diarrhoea in chicks and cholera in adult fowls, has proved very effective as an antiseptic, sedative and as astringent to the mucous membrane of the crop, gizzard and intestines, relieving at once all irritability and changing the character of the intestinal secretions.

Each tablet contains the same amount of medicine, and being soluble is readily administered in the drinking water. Please note that by this means the sick fowls "take their own medicine."

Prices: per vial 25c.

Cyphers Roup Remedy is used by simply dissolving the remedy in the drinking water. In all early stages the sick fowls take their medicine in this easy manner. One small-size package will make 25 gallons of roup medicine.

Prices: Small-size, 25c; Medium-size, 50c; Large-size, $1.00.

Cyphers Company Poultry Remedies

CYPHERS LICE PAINT

This Liquid Lice Killer is safe and easy to use, although it is stronger than similar preparations. It does the work, and does it economically. Use it freely on the roosts, walls and dropping boards in the poultry house. The fumes arising from the paint will kill the mites and lice on the fowls while the birds are on the roost at night. The spraying or painting should be done in the middle of the afternoon, three or four times a month.

Price of Cyphers Lice Paint.

1 qt. cans, each, 35c; 2 qt. cans, each 60c; 1 gal. cans, each, $1.00

NAPCREOL DISINFECTANT

Cyphers Napcreol is a highly concentrated, non-poisonous preparation which can be made ready for immediate use by simply mixing with required amount of water. Is highly valuable for the disinfection of poultry houses,

Price: 1 qt. can, 50c; Half-gallon can, 85c; One gal. can, $1.50.

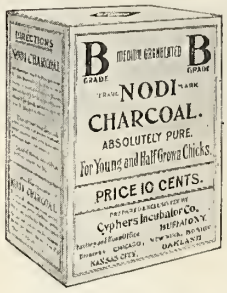
CYPHERS LICE POWDER

Cyphers Lice Powder is claimed by us to be the strongest safe preparation on the American market for the purpose. It is warranted to be a lice-killer, not a lice-driver. This Powder, put up, as a rule, in substantial pasteboard boxes, with perforated tops—is clean to handle, easy to apply, sure in effect, and can be used in the nests of sitting hens without injuring young chickens.

Prices of Cyphers Lice Powder.

15 oz. box 25c
48 oz. box 50c
100 oz pkg.....$1.00

NODI CHARCOAL



Nodi Charcoal is useful as a blood purifier and disease preventive. It is one of the best remedies for sour crop, diarrhoea and other similar digestive troubles. That is why we call it "Nodi Charcoal"——no diarrhoea where this charcoal is used.

Nodi Charcoal is prepared in three grades: Grade "A" (fine granulated) for use in mash mixtures and for ducks; grade "B" (medium granulated) for small, newly hatched to half-grown chicks; grade "C" (coarse granulated) for fowls and large chicks.

Prices of Nodi Charcoal (state grade desired, whether "A," "B," or "C"); 2 pound cartons, each 10c; 50 pound sacks, each, $1.25.

Have a Conkey Corner in Your Poultry House

and be ready when disease appears.

A healthy hen cannot keep from laying—therefore, make a study of poultry diseases and, by having Conkey's Remedies and Tonics always at hand, be ready to fight the trouble just as soon as it appears.

Check over the following list and send us your order. Those marked with a star (*) every poultry owner should have on his shelf all the time—the others are special Remedies used mainly in certain localities or for unusual Diseases.

*Conkey's Roup Remedy, 25c; 50c; and $1.00.
*Conkey's Cholera Remedy, 25c; and 50c.
*Conkey's Sorehead (Chicken-Pox) Remedy, 25c; and 50c.
*Conkey's Gape Remedy, 25c; and 50c.
Conkey's Limberneck Remedy, 50c.
Conkey's Poultry-Worm Remedy, 25c.
*Conkey's White Diarrhoea Remedy, 25c; and 50c.
*Conkey's Poultry Tonic, Pkgs. 25c; 50c; and $1.00; Pails. 12 lbs., $1.60.
*Conkey's Lice Powder, Pkgs. 10c; 25c; 50c; and $1.00; Pails., $3.00.
*Conkey's Lice Liquid, qt., 35c; 2 qt., 60c; Gal., $1.00; 5 gals., $4.00.
*Conkey's Noxicide, pt., 35c; qt., 60c; 2 qts., 90c; gal., $1.50; 5 gals., $6.50.

*Conkey's Head Lice Ointment, 10c; and 25c.

Every Conkey Remedy is Guaranteed to give satisfaction or Money back.

Send 4 cents for CONKEY'S POULTRY BOOK—it tells how to detect and to cure Poultry Diseases.

IF CONKEY'S WON'T CURE IT, IT CAN'T BE CURED.

MOE'S SANITARY POULTRY DRINKING FOUNTAIN

Fills from the top. Most popular fountain on the market. The double wall keeps water cool in summer and retards freezing in winter. Thoroughly sanitary and as easily cleaned as an ordinary pail.

Manufactured in three sizes:

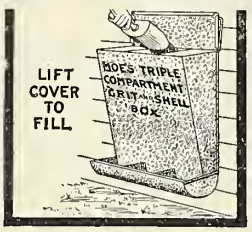
No. 1, 1 gallon capacity..$1.25
No. 2, 2 gallon capacity.. 1.75
No. 4, 4 gallon capacity.. 2.25

MOE'S NEVER CLOG AND WASTE PROOF HOPPER

Large in capacity and small in price. Does away with all trouble of feed clogging no matter how coarse. The gradual enlargement to the base will force the feed downward. Manufactured of heavy galvanized iron in three sizes:

No. 35, 12 quart capacity..$0.75
No. 36, 18 quart capacity.. 1.00
No. 37, 36 quart capacity.. 1.50

No. 45, 2 compartments..$0.25
No. 9, 3 compartments.. .50
No. 90, 4 compartments.. .75



MOE'S GRIT AND SHELL BOXES

The round bottom prevents clogging and insures an ample supply of the contents at all times. Made of heavy galvanized iron in three sizes:

MOE'S SANITARY FEEDING TROUGH

Can be used for feed, wet mash or water. Barred top prevents wasting of feed and if used for water does away with the little chicks being drowned. The feed saved by using this trough will more than pay for itself in a few weeks. Made of the best grade of galvanized iron in three sizes, namely:

No. 21, 12 inches long.....$0.25
No. 22, 18 inches long..... .50
No. 23, 24 inches long..... .75

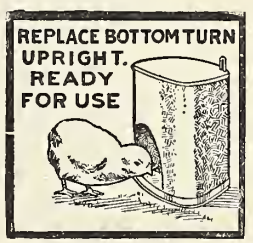
No. 25, ½ gal. capacity....$0.35
No. 26, 1 gal. capacity..... .50
No. 27, 2 gal. capacity..... .75

MOE'S WALL FOUNTAIN

Can be hung up out of the litter. Very easy to fill. A strong substantial wall fountain with removable bottom at a law price. This fountain appeals to many breeders and is especially adapted for watering pigeons. Manufactured in three sizes, namely:

MOE'S SANITARY BROODER FOUNTAIN

Baby chicks can't get wet. Sits in a corner of the brooder. Takes up little room. Can't be upset. Can be hung up if desired. Absolutely sanitary, as you can get at any part of it to clean. Manufactured of heavy galvanized iron in two sizes:



No. 0, 1 quart capacity....$0.25
No. 5, 1 gallon capacity.... .50

No. 11, Small size.....$0.15
No. 12, Large size..... .25

MOE'S ROUND BABY CHICK FEEDER

The most convenient and commodious feeder on the market for the price. A great feed saver, as the little chicks cannot get into it and contaminate the feed. Can also be used for water. Made of the best grade of galvanized iron in two sizes.

Moe's Regal Egg Carrier

This "Safety First" box is adapted to either parcel post or express use and can be used time after time. The safest and most durable egg carrier on the market. It is so strong that it will more than bear your own weight and so safe that when filled with eggs, it will withstand the severest jold without breaking an egg. Manufactured of strong corrugated card-board in the following sizes:

No.	Egg Size	Each	Per Dozen
14,	15	$ .20	$ 1.80
15,	30	.30	2.70
16,	50	.65	6.50
17,	100	1.00	10.00
18,	12	.25	2.40

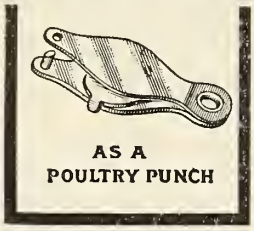
(For duck and turkey eggs.)

MOE'S SELF LOCKING LEG BAND

A sealed band that requires no sealer. You simply push it together to lock it and it can only be removed by destroying the band. Manufactured of a bright nickle colored metal that will not rust or corrode. Every band has its own raised or embossed number. Manufactured in all sizes:

12	bands, any size,	$0.
25	bands, any size	0.
50	bands, any size	0.
100	bands, any size	0.
500	bands, any size	3.
1000	bands, any size	6.

MOE'S CLIP AND PUNCH



A poultry punch for marking baby chicks. Punches a clean hole in the web between the toes that will not bruise the foot. On the reverse side a cigar cutter that performs as neatly on the end of a cigar. Both guaranteed to work perfectly at the price of one, 25 cents each.

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ORDER SHEET FOR WILLIAMS RELIABLE SEEDS

Williams Seed Company

SEED GROWERS AND MERCHANTS

69-71 Commercial Place **NORFOLK, VA.**

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Please forward the following as per terms of your Descriptive Catalog to

Name . . . .

Rural Route No. ..... Post Office .....

Express Depot . . . .

Freight Depot ..... R. R. .....

County . . .. State .....

State whether to forward by Express, Mail or Freight.....

AMOUNT ENCLOSED

Date . . ..

P. O. Order - - .....

Express Order - .....

Check or Draft - .....

Cash - - - - - .....

Stamps - - - - .....

TOTAL - - .....

IMPORTANT

PLEASE WRITE YOUR ADDRESS PLAINLY and in full in the blanks above; also keep your order separate from other matters you wish to write about. This enables us to fill orders more rapidly and correctly, and your inquiries will receive more prompt attention. Duplicate Order Sheets sent on request.

QUANTITY	NAME OF ARTICLES WANTED	PRICE

Continued on other side

QUANTITY	NAME OF ARTICLES WANTED	PRICE

Write here any further instructions regarding this order.

Kindly give below the names of any friends or neighbors who you think would be interested in receiving our catalog

NAME	POST OFFICE	COUNTY	STATE

VIGOROUS AND HARDY

ROSES

OUT-DOOR GROWN STOCK

Outdoor grown Roses are strong, healthy, and vigorous, and give the best results and satisfaction. We can ship them out any time in January, February, or March. The earlier they are put out, the better. A slight protection of litter or coarse manure for the roots after setting out is advisable—not so much for protection as to encourage root growth and development.

Roses demand frequent watering, and spraying occasionally with Hellebore and Bordeaux Mixture for insects and fungus will be found beneficial. Applications of manure water aid their growth, and they should have at least two applications of Bone Meal at the rate of 2 lbs. to the square foot prior to blooming time.

Prices of all varieties (customer's selection), 25 cents each, $2.50 per dozen. If by mail, add 6 cents postage for one; 10 cents for three; 20 cents per dozen.

Killarney.

HYBRID PERPETUAL ROSES

Often called June Roses. Once established, they are strong, hardy growers, bearing large globular flowers. Masses may be grouped in separate colors with very striking effects.

AMERICAN BEAUTY.—The Queen of all, extra large, full, and fragrant. The color is a fine deep pink, shaded towards the center a carmine crimson.

FRAU KARL DRUSCHKI (White American Beauty).—A pure white variety, with long immense buds, and perfectly double flowers. The finest of its class for bedding or cutting.

PRINCE C. De ROHAN (The Black Rose).—Deep velvety crimson in color, passing to an intense maroon. Fragrant, a strong grower, and very hardy.

PAUL NEYRON.—An immense variety, of deep rose color. It has excellent foliage, and is a strong grower.

GENERAL JACQUEMINOT.—Bright shining crimson, with shapely buds and handsome blooms. The Jack Rose is noted for its good qualities.

SUNBURST.—A truly great rose, now classed with American Beauty. Rich coppery yellow in color, and of good size and form. A strong grower, and the long stems make it fine for cut flowers.

HYBRID TEA VARIETIES

These are the result of crossing the Hybrid Perpetuals with the tea-scented varieties, and they possess the hardiness of the first and the free blooming habit and fragrance of the latter. The long pointed buds borne on strong stems make them very valuable for cut flowers.

RICHMOND.—Scarlet crimson, with pointed buds and tall erect stems, and handsome dark green foliage. One of the most successful and prolific for the garden.

MRS. AARON WARD.—This beautiful rose changes in color as the flower expands. The opening bud is deep coppery orange, changing when partly developed to golden orange in center, while the edges of the petals are creamy white. When fully open it is an exquisite shade of pinkish fawn. Strong grower, with healthy dark glossy green foliage, and very free flowering.

JONKHERR J. L. MOCK.—A splendid robust free grower, with strong stems which bear glorious flowers in two tones of color, fiery red within and silvery white without. The flowers are large, and of fine rounded form.

KILLARNEY.—Strong robust grower, and a free bloomer. The color is brilliant sparkling pink. The flowers are very large and full, with broad thick petals and delightful fragrance.

WHITE KILLARNEY.—A pure white sport from Killarney, and identical in shape. A strong robust grower, perfectly hardy, and flowering freely throughout the season. The flowers are large, with long pointed buds, borne on strong erect stems.

LA FRANCE.—Bright satin pink rose, with silvery reflex, blooming early and late. One of the best varieties grown.

MY MARYLAND.—A choice Summer rose, bright salmon pink in color, with pale edges. Very free blooming, and remarkably fragrant.

KAISERIN AUGUSTA VICTORIA.—One of the best White Roses, either for bedding or cut flowers. A tinge of lemon in teh center adds to its beauty.

HARDY CLIMBING ROSES

CRIMSON RAMBLER.—An old favorite, which hardly needs any description. One of the easiest roses to have success with, and is unsurpassed for walls, hedges, pillars, arches and pergolas. Very hardy, and a strong grower.

MARECHAL NEIL.—A most beautiful deep golden yellow, very large and double, and entirely hardy in the South. For walls and the pillars of a green-house, this is a magnificent variety.

PINK RAMBLER.—Identical in form and habit with the well-known Crimson Rambler, the difference being in the color of the flower. As hardy and as easily grown as the Crimson, and as useful.

CLIMBING LA FRANCE.—Same as the La France, description of which wil be found under the Hybrid Tea Varieties, except for its climbing habit. A very beautiful variety, and very hardy.

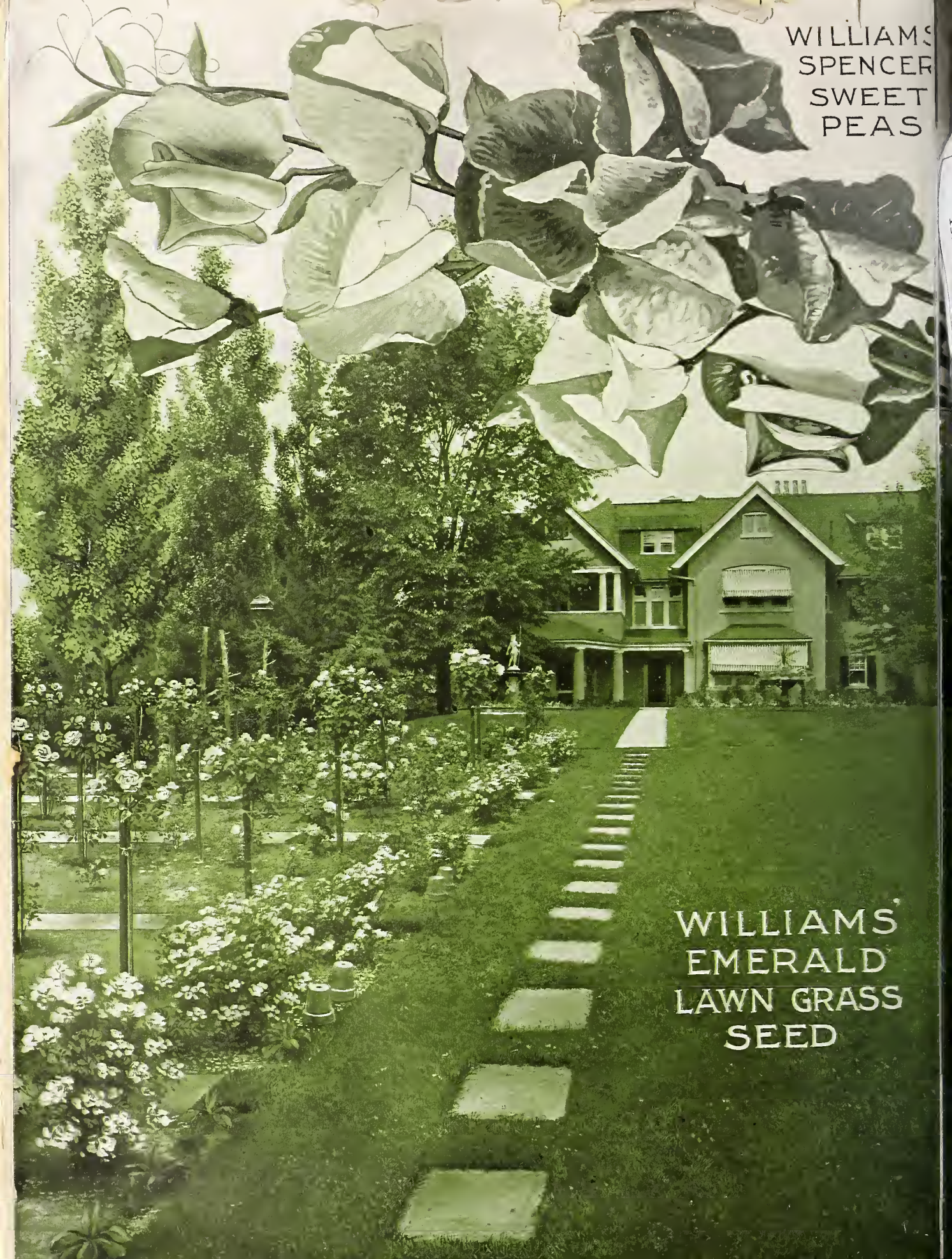
ORNAMENTAL AND FLOWERING SHRUBS AND TREES

LILACS.—On their own roots. These have the advantage over the usually offered stocks in that they are much longer lived, improve in beauty each year, and withstand the severest winters. We offer these in a variety of colors. **75 cents each.**

HYDRANGEA PANICULATA GRANDIFLORA.—Splendid Summer and Autumn flowering shrubs, for which the demand is now universal. They grow to a height of 8 to 10 feet, are absolutely hardy, grow in any soil, and bloom the first year put out, flowering abundantly, and bearing immense panicles of bloom a foot long, white at first and turning to rose in the Autumn. An annual shortening of the branches tends to increase the size of the flowers. **50 cents each.**

EVERGREEN HEDGE.—A rapid grower, thriving on all soils, and making a magnificent screen or hedge. It makes a perfect hedge the first year, as solid as a wall from the ground up. **$3.50 per 100 plants.**

RHODODENDRONS.—Hardy varieties. These can stand the most severe winters, and are especially recommended for planting groups. Our stock is vigorous, well rooted and branched, and set with buds. We offer them in selection of colors, as wanted. **15 to 18 inch well budded plants, 75c each.**


WILLIAMS
SPENCER
SWEET
PEAS
WILLIAMS'
EMERALD
LAWN GRASS
SEED